

Creative Biogene

-Premier provider of innovative technologies



<https://www.creative-biogene.com>

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Creative Biogene is a US-based company founded in 2004 and specialized in biotechnological and biomedical areas. With a team of experts and the state-of-the-art facilities, we have developed a series of products and service platforms for promoting scientific research. The diverse portfolio of Creative Biogene encompasses gene editing, recombinant viruses, stable cell lines, small RNAs, drug discovery, molecular kits and reagents etc. We have a wide spectrum of offerings, including but not limited to:

Featured Products



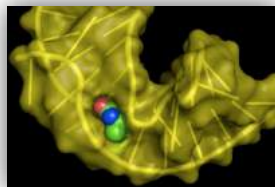
Transfected Stable Cell Lines



Premade Virus Particles



Cell Lysates



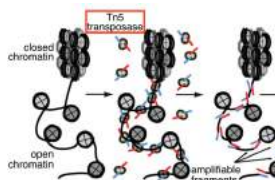
Aptamers



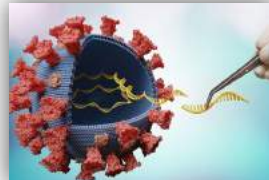
Kits



Oligonucleotides



Enzymes



RNAi Products



Clones

Featured Services



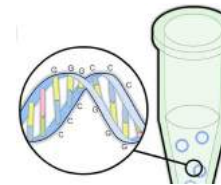
Stable Cell Line Generation Services



Custom Viral Services



Gene Synthesis & Cloning Services



Library Construction Services



Target-based Drug Discovery Services



RNA Services



Microbial Genome Editing Services



Biosafety Testing Services



Transgenic Plant Services

Stable Cell Line Products and Services

Creative Biogene, as a leader in cell engineering, provides reliable, affordable, and fast gene-editing cell line products and services. We have experience working with a wide variety of cell backgrounds ranging from easy-to-transfect cell lines (e.g. HEK293, HCT116 or HeLa) to hard-to-transfect cell lines (e.g. iPSCs, fibroblasts). Creative Biogene produces engineered cell lines and performs quality control testing in one step to help ensure that the cell line meets your requirements.

Stable Cell Line Products

- Cas9 Stable Cell Lines
- Reporter Stable Cell Lines
- Coronavirus Receptor Stable Cell Lines
- Ion Channel Stable Cell Lines
- Kinase Stable Cell Lines
- GPCR Stable Cell Lines
- Immune Receptor Stable Cell Lines
- Gene Knockdown Stable Cell Lines
- Gene Knockout Stable Cell Lines

Stable Cell Line Generation Services

- Custom Gene Overexpression Cell Lines
- Custom Gene Knockdown Cell Lines
- Custom Gene Knockout Cell Lines
- Stable Gene Knock-in Cell Lines



Our advantages



One Stop Solution



Extensive Experience

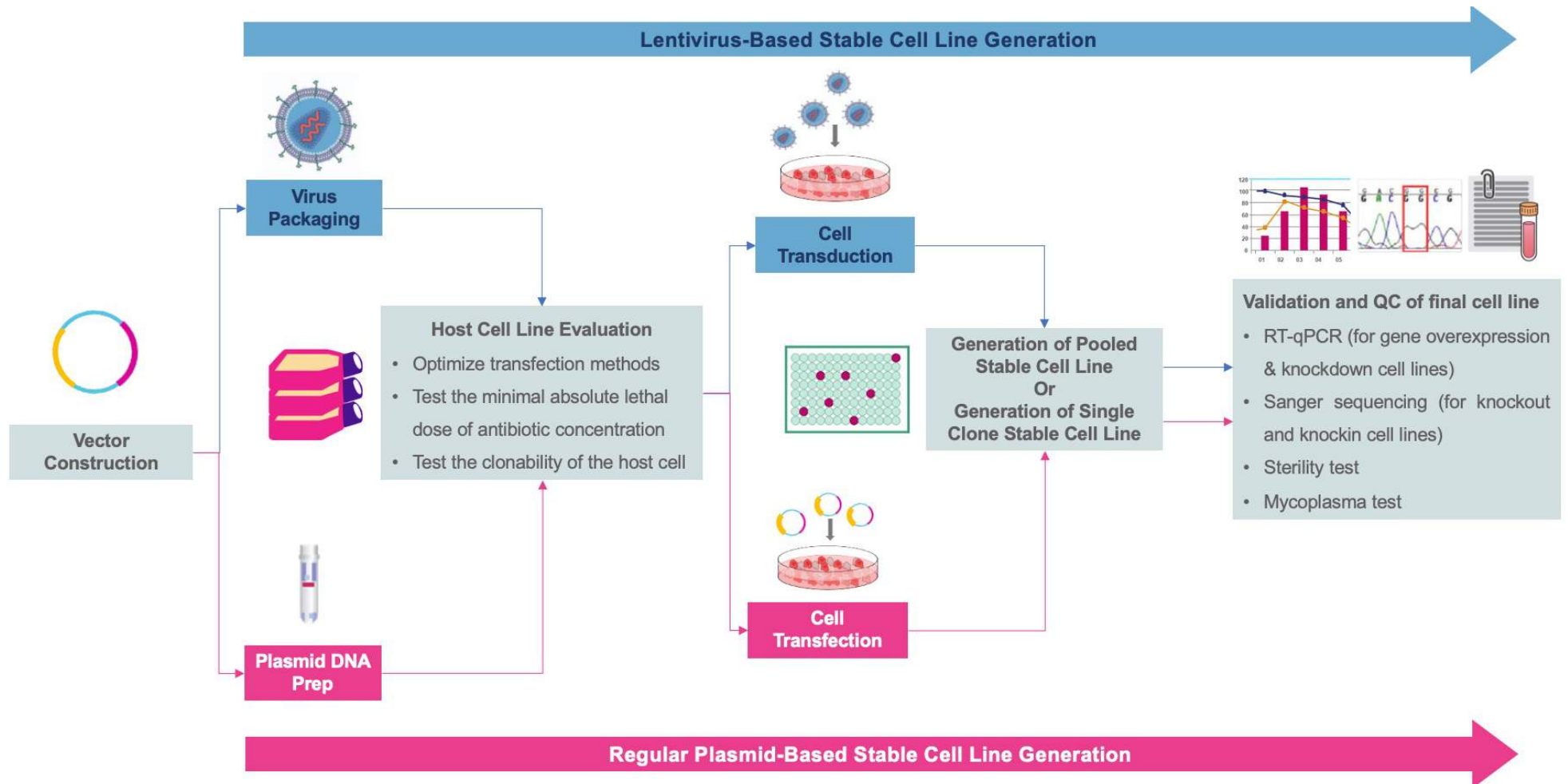


Fast Delivery

Stable Cell Line Generation Services

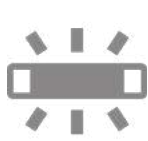
Features

- ✓ Variety of modifications available, including gene overexpression, knockdown, knockout and knockin.
- ✓ Cell lines constructed via chemical transfection or viral transduction as needed.
- ✓ Gene editing validated by various methods, e.g. RT-qPCR, Sanger sequencing, etc.
- ✓ Rigorous QC of final cell lines, including sterility test and mycoplasma detection.



Premade Viral Particles

• Pre-made Lentiviral Particles



Reporter
Lentivirus



Control
Lentivirus



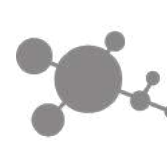
iPS
Lentivirus



CAR-T
Lentivirus



Recombinase
Lentivirus



Exosome Marker
Lentivirus



microRNA
Lentivirus



Gene-Specific
Lentivirus



Cell Immortalization
Lentivirus

• Premade AAV Particles



Reporter AAV



Control AAV



AAV
Biosensors



Recombinase
AAV



AAV Parkinson's
Disease Tools



Tissue-
Specific AAV



AAV-PHP
Particles

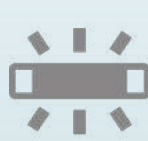


scAAV



HBV Genome
AAV

• Pre-made Adenoviral Particles



Reporter
Adenovirus



Control
Adenovirus



iPS
Adenovirus



Recombinase
Adenovirus



Gene-Specific
Recombinant
Adenovirus



microRNA
Adenovirus

Features

Ready-for-transduction

High titers

Efficient transduction

Cost-effective

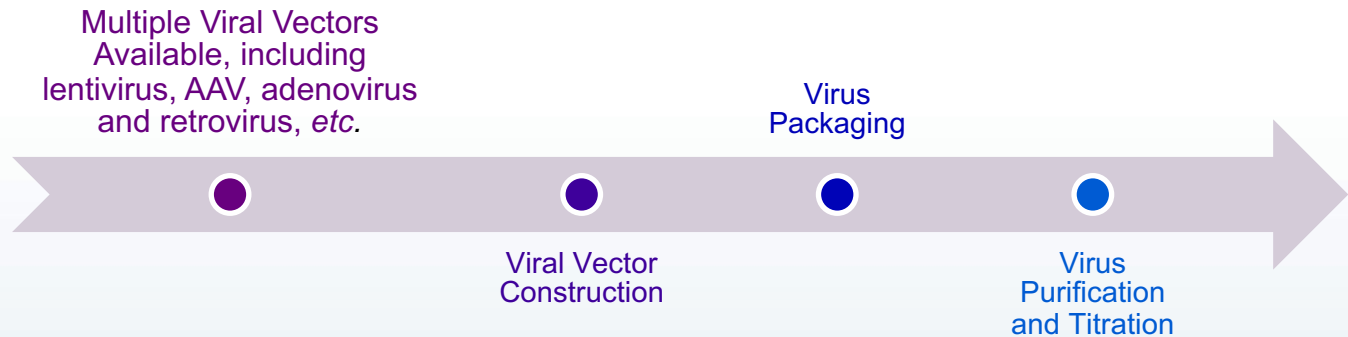
Custom Viral Services

Creative Biogene provides world-class packaging services for a variety of viral types using our QVirus™ platform. Our custom viral services are highlighted by a consistent high titer and large delivery viral counts.

Services

- Lentivirus Service
- Adeno-Associated Virus Service
- Adenovirus Service
- Baculovirus Service
- Oncolytic Virus Service
- Retrovirus Service
- GMP Grade Viral Service

One stop solution: from DNA synthesis to virus production



Our High-quality QVirus™ Platform Can Help You to Accelerate Your Research Progress.



One stop solution



Different promoters or tags available



Multiple cloning systems



Produce high titer virus particles

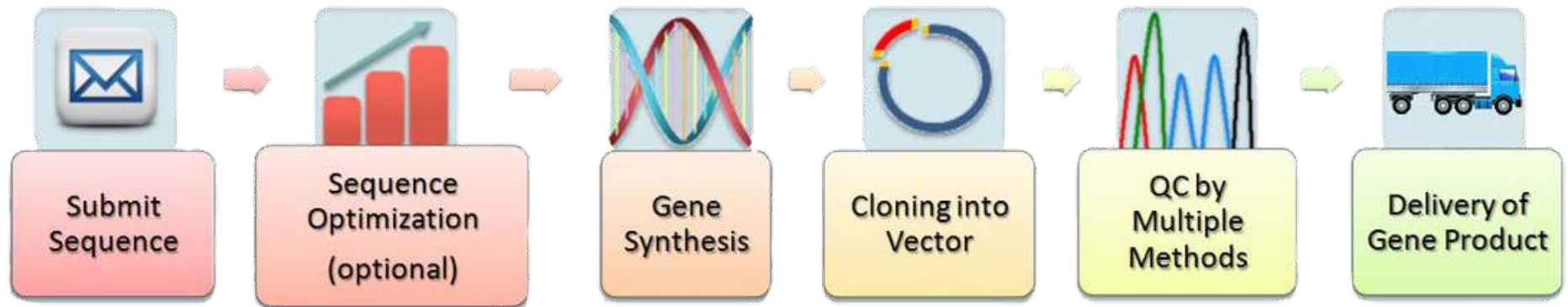


Fast turnaround time

Gene Synthesis & Cloning Services

Creative Biogene provides comprehensive molecular biology services, especially gene synthesis and cloning of any sequence on any scale. We can synthesize and clone any DNA sequences, even complex, GC-rich, repeated, or long genes, into prokaryotic, eukaryotic or viral vectors.

Workflow



Related Products & Services



Vectors



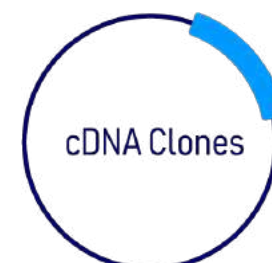
Gene
Mutagenesis



Plasmid DNA
Production



Oligonucleotide
synthesis



cDNA Clones



Oligo Pools

Library Construction Services

- BAC Library Construction Service
- cDNA Library Construction Service
- Fosmid Library Construction Service
- Genomic Library Construction Service
- Mutant Library Construction Service
- Shotgun Library Construction Service

Features

Extensive experience

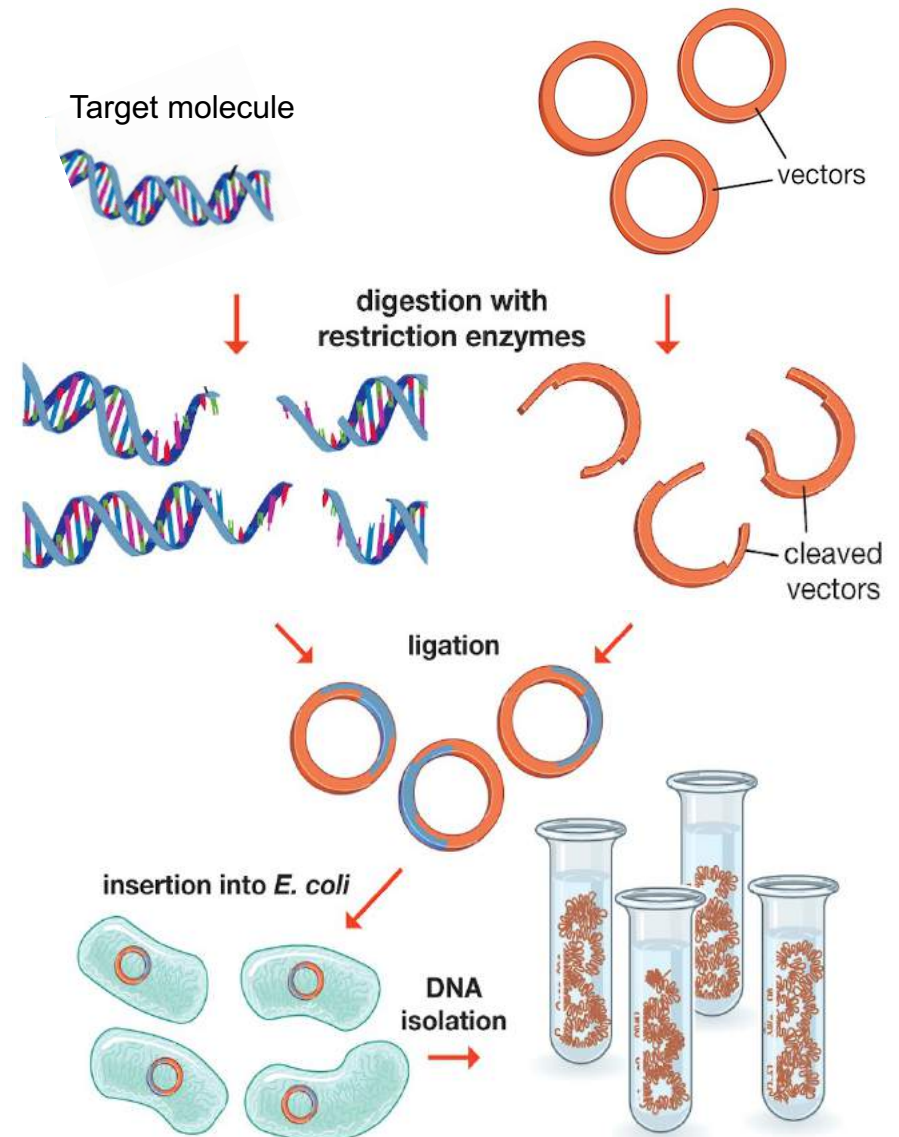
Customer desired vector and bacteria strain are available

High recombinant rate and low clone redundancy

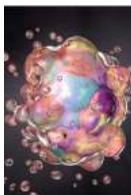
Strict quality control

Competitive prices

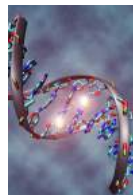
Fast turnaround time



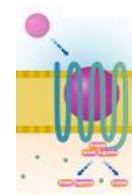
Target-based Drug Discovery Services



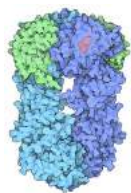
Apoptosis Biochemical
Screening and Profiling
Services



Epigenetic Screening &
Profiling Services



GPCR Screening & Profiling
Services



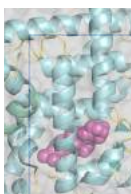
HSP90 Screening & Profiling
Services



Ion Channel Screening &
Profiling Services



Kinase Screening & Profiling
Services



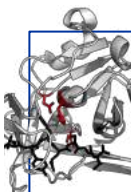
Nuclear Receptor Screening &
Profiling Services



PDE Screening & Profiling
Services



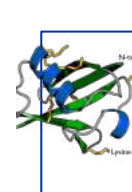
Phosphatase Screening &
Profiling Services



Protease Screening & Profiling
Services



Transporter Screening &
Profiling Services

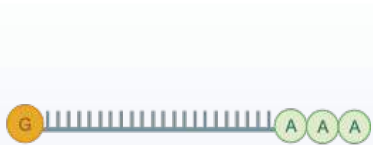


Ubiquitin Screening & Profiling
Services

RNA Services

Creative Biogene is a leading global provider of complete solutions for RNA discovery, expression analysis, functional research and mechanism analysis. Our mission is to develop unique technologies that provide satisfactory services to scientists around the world, enabling researchers to better understand human diseases, explore potential treatments for high-impact diseases and promote the development of the RNA research field.

Our services



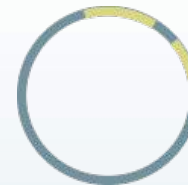
mRNA



tRNA



rRNA



circRNA



miRNA



siRNA



shRNA



piRNA



lncRNA

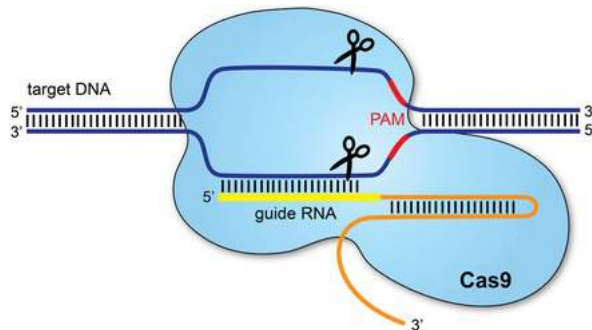


snoRNA

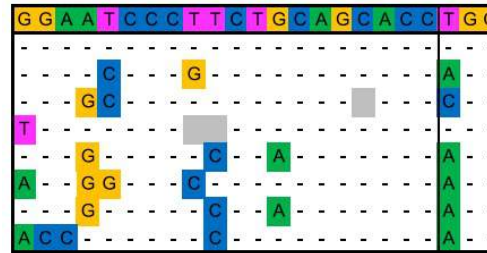
CRISPR-Cas9 Services

We will use the CRISPR-Cas9 technology to achieve genome editing in a precise and efficient way, helping customers accelerate the project progress.

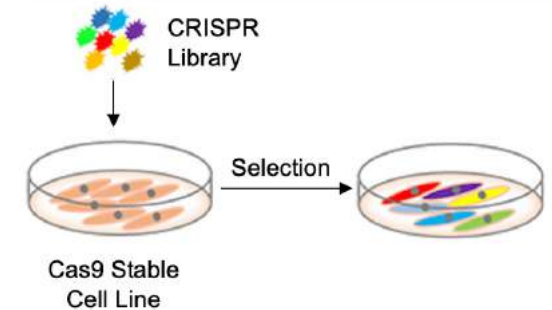
WE TARGET ON **GENOME EDITING**



CRISPR Basic Services



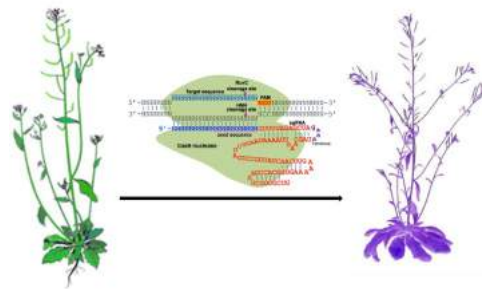
CRISPR Off-Target Analysis



CRISPR Library Screening



Knockout Cell Line/Knock-in Cell Line Generation



Genome Editing in Plants



Microbial Genome Editing

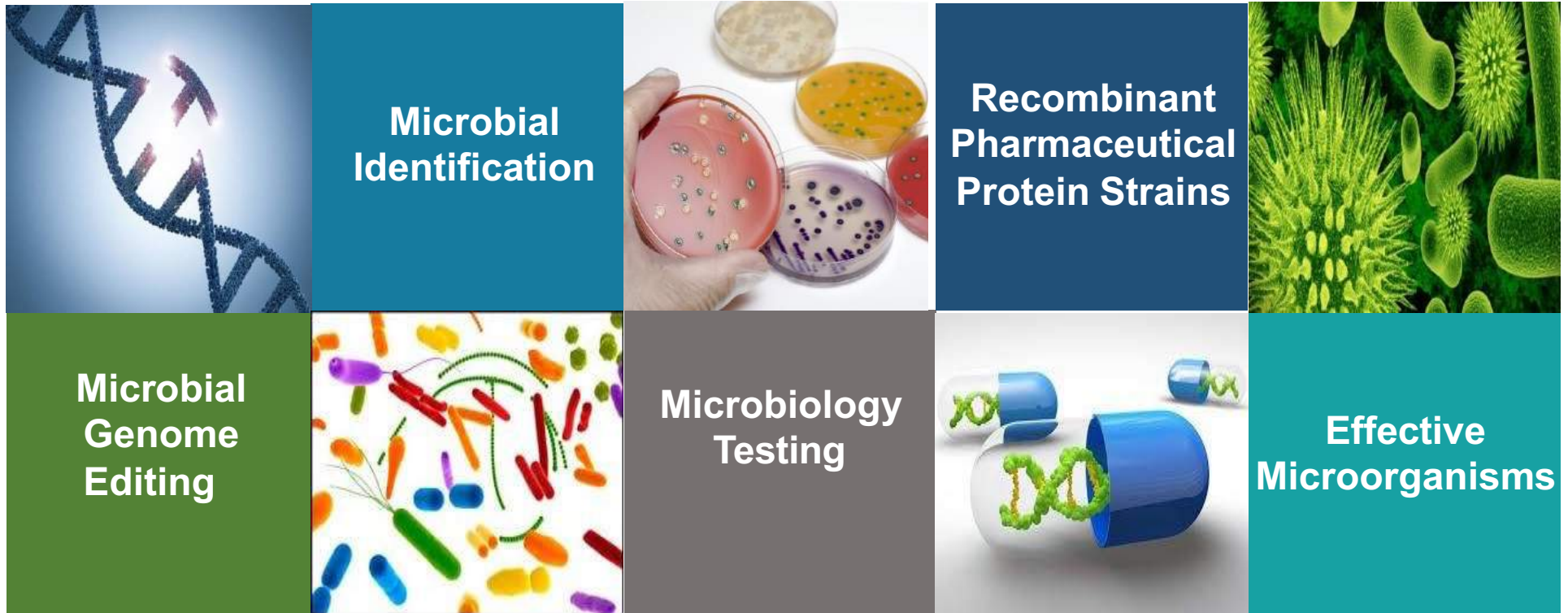


Knockout/ Knock-in Animal Models

Microbial Research Services

Creative Biogene is fully engaged in developing unique technologies that provide global scientists with high quality products and satisfactory services to facilitate the investigation of microbial researches. We offer a wide range of high-quality products and services in microbial genome editing, identification, sequencing, proteomics and metabolomics.

Our services



Biosafety Testing Services



Analytical Testing Service

- Host Cell Protein Assay
- Residual DNA Testing
- LAM PCR
- Next Generation Sequencing
- Transmission Electron Microscopy



Characterization Service

- Cell Bank Characterization
- Cell Line Characterization
- Virus Bank Characterization



Virology Testing Service

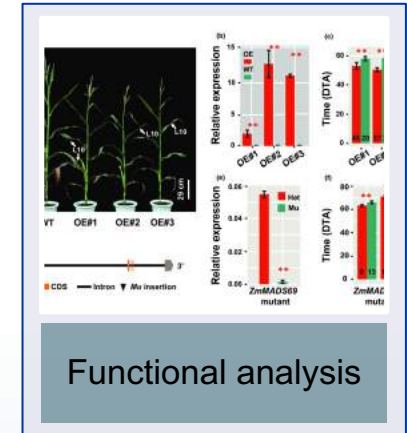
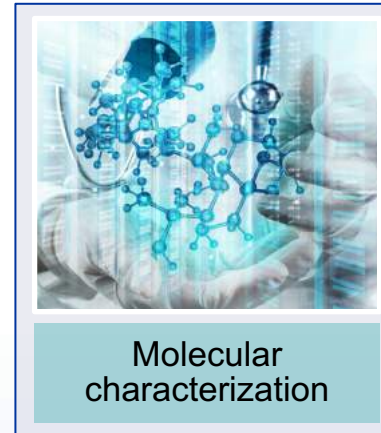
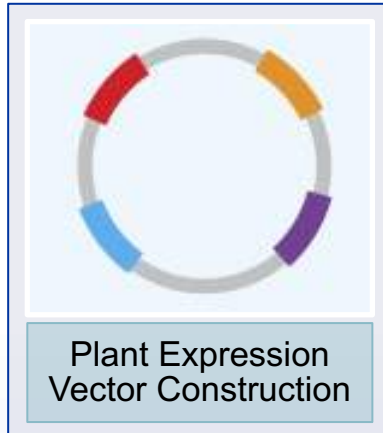
- Replication-Competent AAV Testing
- Replication-Competent Adenovirus Testing
- Replication-Competent Lentivirus Testing
- Replication-Competent Retrovirus Testing
- Viral Testing and Clearance Service



Microbiology Service

- Endotoxin Detection & Removal
- Microbiology Testing
- Mycoplasma Testing
- Sterility Testing

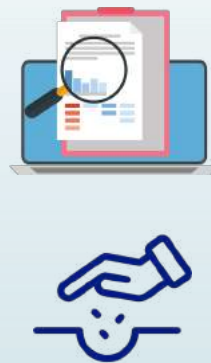
Transgenic Plant Services



Advantages



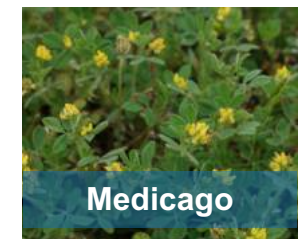
Our service will promise to provide



- Complete experimental report, including specific experimental procedures, test results, and substance inspection reports.
- Experimental products (if applicable), such as vectors, transformed plant-positive seedlings or seeds.

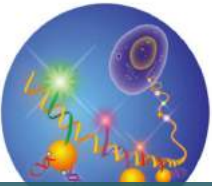
Transgenic Plant Services

- Available Species

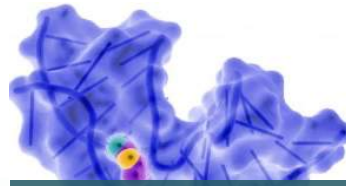


Aptamer Services

Creative Biogene is a leading biotechnology company providing a full range of services to develop high quality customized aptamers for research, diagnostic and therapeutic applications.



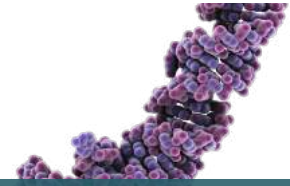
**Aptamer in
Biosensor**



DNA Aptamer



Peptide Aptamer



RNA Aptamer

Features

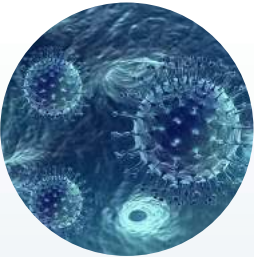
- Selection is an in vitro process that can target any small molecule, biopolymer, or cell
- Uniform activity regardless of the batch
- Aptamers can be rapidly produced in large quantities with easy quality control
- High stability
- High specificity, aptamers can discriminate enantiomers and protein isoforms
- Affinity parameters can be controlled on demand
- Wide variety of chemical modifications are introduced to diversify properties and functions
- Unlimited shelf-life
- No evidence of immunogenicity

COVID-19 Research Solutions



Cell Lines

- hACE2 Overexpression Cell Lines
- hACE2/TMPRSS2 Knockout Cell Lines
- ACE2/TMPRSS2 Enhanced Cell Lines



Pseudovirus Particles

- SARS-CoV-2 S Pseudotyped GFP Lentivirus
- SARS-CoV-2 S Pseudotyped Luciferase Lentivirus
- SARS-CoV-2 S Pseudotyped mCherry Lentivirus



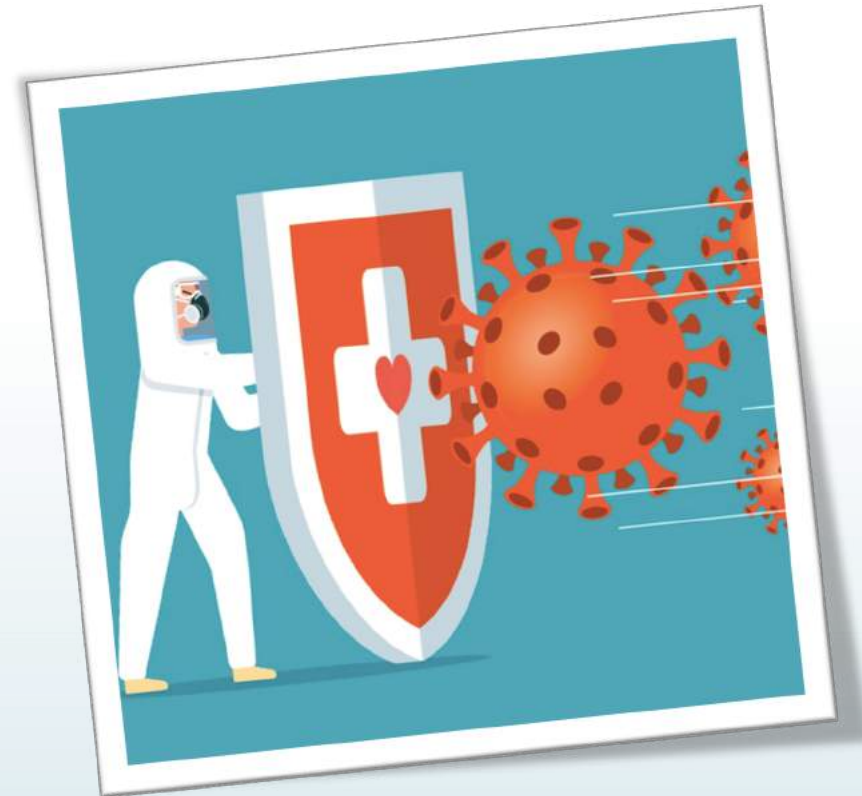
Testing Services

- Neutralization Assay Service
- Animal Testing Service



Others

- Test Kits, Aptamers, Proteins, Antibodies, Clones and Plasmids are also available in support of SARS-CoV-2 scientific research.



Our Platforms

Our platforms address a wide range of life science research needs.



<https://www.creative-biogene.com/crispr-cas9/>



<https://www.creative-biogene.com/microbiosci/>



<https://www.creative-biogene.com/qvirus-platform/>



<https://baseceuticals.creative-biogene.com/>



<https://integraterna.creative-biogene.com/>



<https://zebrafish.creative-biogene.com/>

Market & Contact

Thousands of customers all over the world.
Substantial distributors in over 90 countries.



Our Partnerships



Publications

Examples of those citing our featured products supplied by our high-quality services

Li, Leilei, et al. "Carvacrol affects breast cancer cells through TRPM7 mediated cell cycle regulation." *Life sciences* 266 (2021): 118894.

Chen, Chuan, et al. "Protocol for constructing large size human antibody heavy chain variable domain (VH) library and selection of SARS-CoV-2 neutralizing antibody domains." *STAR protocols* (2021): 100617.

Forget, Benoit, et al. "Cell type-and region-specific modulation of cocaine seeking by micro-RNA-1 in striatal projection neurons." *bioRxiv* (2021).

Khan, Imran, et al. "Seed-based System for Cost-Effective Production of Vaccine Against Chronic Respiratory Disease in Chickens." *Authorea Preprints* (2021).

García-Manzanares, María, et al. "XPO1 gene therapy attenuates cardiac dysfunction in rats with chronic induced myocardial infarction." *Journal of cardiovascular translational research* 13.4 (2020): 593-600.

Ross, Gracious R., et al. "Deletion of transcription factor AP-2 α gene attenuates fibroblast differentiation into myofibroblast." *Journal of cellular and molecular medicine* 23.9 (2019): 6494.

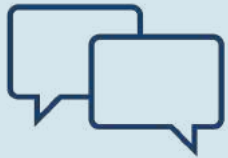
Calvani, Maura, et al. " β 3-Adrenoceptor as a potential immuno-suppressor agent in melanoma." *British journal of pharmacology* 176.14 (2019): 2509-2524.

Qiao, Gu-yuan, et al. "Deregulation of WNT2/FZD3/ β -catenin pathway compromises the estrogen synthesis in cumulus cells from patients with polycystic ovary syndrome." *Biochemical and biophysical research communications* 493.1 (2017): 847-854.



Accelerate Research Progress

Your Choice Will Make a Difference



Quick Response



Skilled Team



Reliable Results



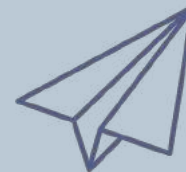
Innovative



High Quality



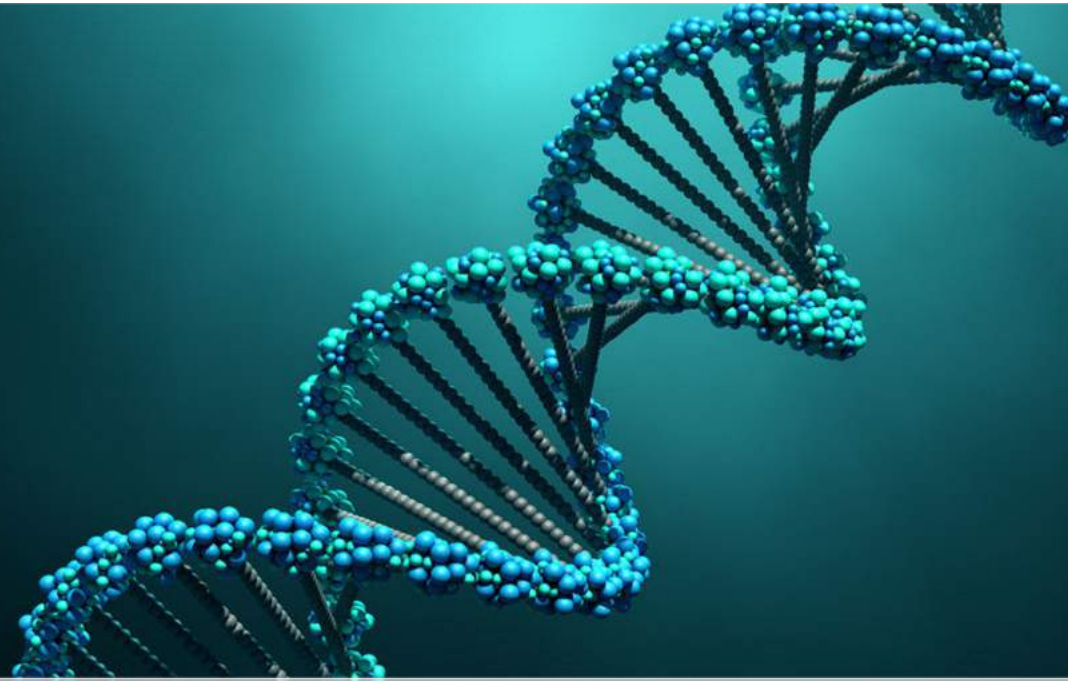
Experienced



Speed Up



World Class



Contact Us



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