

Creative Biogene Provides Accurate Gene Knockout Mouse Models to Support Gene Editing with CRISPR/Cas9 Technology

New York City, New York Jan 30, 2023 ([IssueWire.com](https://www.issuewire.com)) - CRISPR/Cas9 platform, the division of Creative Biogene, is dedicated to providing comprehensive gene editing services and products by using CRISPR/Cas9 technology. With the excellent CRISPR/Cas9 platform and experienced scientists, Creative Biogene provides various custom gene-editing services for customers, including gene knockout, gene knocking, and point mutation. Recently, Creative Biogene announced the release of its [gene knockout mouse models](#) to study human disease and the functions of genes/proteins.

CRISPR/Cas9 Platform has extensive experience and expertise in embryology (e.g. cryopreservation, microinjection), genetic testing, and breeding. Using the latest CRISPR/Cas9 gene editing technology, scientists have successfully achieved efficient CRISPR/Cas9 gene editing (>98%) in a variety of animals (including mice, rats, rabbits, zebrafish, fruit flies, etc.). Mouse models offered by Creative Biogene are validated at the genomic level by PCR and sequencing, using PCR primers strategically designed around the site of interest or insert.

Creative Biogene provides high-quality, validated knockout mouse models for generating consistent research data, enabling research reproducibility, and reducing overall research costs. An end-to-end commitment ensures adherence to project timelines, confidentiality, intellectual property exclusivity, breeding according to SOPF standards, and assured global delivery.

The constitutive knockout mice provided by Creative Biogene are engineered to carry the null gene. Typically, the inactivation of a gene is achieved by deletion (partial or complete) of its sequence, and it is non-functional throughout the animal. Conditional knockout mice allow deletion of genes in a tissue- and/or temporal-specific manner. Typically, conditional KO mice are achieved through the Cre-lox system. Instead of deleting critical sequences, it is flanked by loxP sites (called floxed sequences). Cre recombinase deletes the sequence between the two loxP sites. Inducible or tissue-specific Cre is used to knock out gene function only in that tissue.

"We provide the most comprehensive, cost-effective, and high-quality CRISPR gene editing products for basic research, pharmaceutical research, and preclinical research, ensuring your gene editing projects run smoothly," said Marcia Brady, the marketing director of Creative Biogene, she also added, "In addition to products for gene editing, we also offer performed knockout cell lines ready for research or production, or custom-made according to your needs."

About Creative Biogene

Creative Biogene is a top-of-its-kind company that holds a leading position and is committed to accelerating the development of human science through biotechnology, offering innovative technologies, products, unique tools, and services for research discoveries and product development. With more than 10 years of experience and in-house experts, Creative Biogene has become a well-recognized industry leader to support researchers worldwide.

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Source : Creative Biogene

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