

Creative Biogene Develops Custom Lentivirus Services to Support Stable Cell Line Generation

New York City, New York Sep 28, 2022 ([Issuewire.com](https://www.issuewire.com)) - Creative Biogene is a biotechnology company dedicated to becoming a leading provider of products and services for gene targeting and viral services. The professional team focuses on providing products and services to academic institutes, biotechnology, and pharmaceutical companies. Creative Biogene is dedicated to developing innovative tools for genetic engineering and provides professional and licensed services to meet specific research needs. Recently, Creative Biogene announced the release of its [lentivirus services](#) to support stable cell line generation.

Lentiviral vectors are a powerful tool for delivering target genes to virtually all types of dividing and non-dividing mammalian cells in vitro and in vivo. However, the production of recombinant lentiviral vectors is laborious and challenging, especially when high titers of recombinant lentiviral vectors are required.

Creative Biogene has a large number of prefabricated ready-to-use lentiviruses for general use, as well as standardized and optimized lentiviral vector production lines and strict quality control systems to produce the best quality recombinant lentiviruses for customers with the shortest turnaround time. All lentiviruses are titrated by functional assays, rather than physical titration assays, such as p24 ELISA, or by qPCR to determine the genome copy number of stock lentiviruses.

Advantages of Lentivirus Service at Creative Biogene:

Long expression time: a lentivirus can maintain long-term expression of target genes by integrating foreign genes into the host cell genome.

High safety: no pathogenicity was detected, and it has been used for CAR-T therapy in humans.

Low immunogenicity: Direct injection of living tissue does not cause an immune response, so it is suitable for use in animal experiments.

Applications of Lentivirus Service at Creative Biogene:

- 1) Transfer the target gene/RNAi gene into cells that are difficult to transfect, such as neuronal cells, stem cells, or other primary cells;
- 2) Transfer the target gene or RNAi gene into animal tissues for long-term expression;
- 3) Construct a cell line stably expressing the target protein /RNAi
- 4) Gene therapy;
- 5) Transgenic animals;
- 6) Gene knockout;
- 7) Drug research: construct cell lines expressing receptor proteins to study the effects of drugs;

8) Rapid establishment of cell lines producing target proteins, a very promising eukaryotic expression method.

"We continually provide our customers with flexible and highest quality lentiviral vector production services, from construct design to lentiviral vector production, concentration and titration." said Marcia Brady, the marketing director of Creative Biogene, she also added, "We are capable to an assortment of custom services, custom lentivirus/retrovirus/AAV virus productions, cell line generation services including gene overexpression, CRISPR-Cas9 based knockout/knockin, and reporter cell line generation services."

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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