

Selected Customer Citations

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• Gene • RNA • DNA • Protein • Peptide

Volume 01

February 28, 2025

Cited Service: Gene Synthesis



1. Delivery of FGF18 using mRNA-LNP protects the cartilage against degeneration via alleviating chondrocyte senescence

IF: 10.46

Journal: Journal of Nanobiotechnology

Author Affiliation: School of Medicine, Shanghai Jiao Tong University, etc.

DOI: doi.org/10.1186/s12951-025-03103-9

Cite ▶▶

“FGF18 plasmids with different UTRs were synthesized by **Genecefe Biotechnology Inc. China.**”

2. Identification of CENPM as a key gene driving adrenocortical carcinoma metastasis via physical interaction with immune checkpoint ligand FGL1

IF: 8.55

Journal: Clinical and Translational Medicine

Author Affiliation: Shandong Provincial Hospital Affiliated to Shandong First Medical University, etc.

DOI: doi.org/10.1002/ctm2.70182

Cite ▶▶

“The pcDNA3.1-FGL1 plasmid was constructed by **Genecefe Biotechnology Co., Ltd.**”



3. Tailoring the polarity sensitivity of fluorescence lifetime imaging probes to reveal interplays of mitochondria dysfunction with lipid droplets formation

IF: 8

Journal: Sensors and Actuators B: Chemical

Author Affiliation: Nanjing Normal University, etc.

DOI: doi.org/10.1016/j.snb.2024.137027

Cite ▶▶

“The gene encoding a-synuclein and TDP-43(Q331K) were synthesized by **GENCEFE.**”

4. Maternal phthalates exposure promotes neural stem cell differentiation into phagocytic astrocytes and synapse engulfment via IRE1 α /XBP1s pathway

IF: 7.5

Journal: Cell Reports

Author Affiliation: Shanghai Jiao Tong University, etc.

DOI: doi.org/10.1016/j.celrep.2024.115126

Cite ▶ ▶



Recombinant DNA	
pGL3-SOX9 luciferase reporter plasmid	GENCEFE Biotech
pGL3-ATF3 luciferase reporter plasmid	GENCEFE Biotech
pGL3-C3 luciferase reporter plasmid	GENCEFE Biotech
pGL3-LCN2 luciferase reporter plasmid	GENCEFE Biotech
Construction of a DNA binding defective mutant of XBP1s	GENCEFE Biotech

Cited Service: siRNA Synthesis

5. Exosomes of human adipose stem cells mitigate irradiation injury to salivary glands by inhibiting epithelial-mesenchymal transition through miR-199a-3p targeting Twist1 and regulating TGF β 1/Smad3 pathway

IF: 12.4

Journal: Theranostics

Author Affiliation: Sun Yat-sen University, etc.

DOI: doi.org/10.7150/thno.102346

Cite ▶ ▶

“IR-injured SMG-C6 (IR-SMG-C6) cells were transfected with si-Twist1 (Genecefe, China)”

6. The Pb tolerance initiated by LdZIP8 in Lymantria dispar larvae: An effective defense against heavy metal stress

IF: 12.2

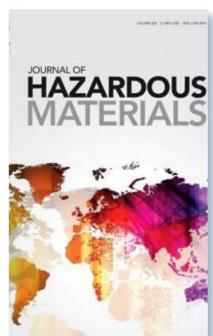
Journal: Journal of Hazardous Materials

Author Affiliation: Northeast Forestry University, etc

DOI: doi.org/10.1016/j.jhazmat.2024.137025

Cite ▶ ▶

“The LdZIP8 gene sequences were sent to **Genecefe (China)** for the synthesis of 3 target siRNAs: LdZIP8-siRNA1475, LdZIP8-siRNA264, and LdZIP8-siRNA484”





7. Cold atmospheric plasma potentiates ferroptosis via EGFR(Y1068)-mediated dual axes on GPX4 among triple negative breast cancer cells

IF: 8.2

Journal: International Journal of Biological Sciences

Author Affiliation: The First Affiliated Hospital of Xi'an Jiaotong University

DOI: doi.org/10.7150/ijbs.105455

Cite ▶ ▶

“The siRNA sequences were designed using primer blast (<https://www.ncbi.nlm.nih.gov/tools/primer-blast/>) and purchased from **GENCEFE (Wuxi, China)**.”

Cited Service: Oligo Synthesis and Modification

8. Hairpin-locker mediated CRISPR/Cas tandem system for ultrasensitive detection of DNA without pre-amplification

IF: 4.9

Journal: Microchemical Journal

Author Affiliation: University of New South Wales

DOI: doi.org/10.1016/j.microc.2025.113025

Cite ▶ ▶

“All DNA and RNA oligos are synthesized and modified by **Gencefe Biotech Co. Ltd.**” Including various types of ssRNA, ssDNA, fluorescently labeled DNA, fluorescently labeled RNA, etc. (find details in Table 1 in the article).



Featured Services & Products



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Proprietary CFPS technology, membrane protein solutions



DNA Libraries

Custom design and synthesis of various libraries



mRNA Synthesis

One-stop solution from gene to mRNA, various off-the-shelf mRNAs



Peptide Synthesis

Purity > 98%, length up to 180 aa, production capacity mg to kg

About

GenCefe Biotech is a leading provider of DNA, RNA and protein synthesis, dedicated to advancing technology development and large-scale production processes.



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