

LNP Delivery Kits

For efficient delivery of mRNA, peptides, proteins and small molecules into cells



Easy-to-use: formulation based on rapid mixing with ethanol.

Highly stable: compatible with sera, serum-supplemented media, and complex biological media.

Biocompatible: minimal cytotoxicity *in vitro* and *in vivo*.

Monodisperse: with narrow size distribution and low PDI.

Traceable: fluorescent option available for tracking cell internalization.



PROGEN

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A Non-viral Delivery System for Gene Therapy Research

Lipid Nanoparticles (LNPs) are widely known as drug delivery vehicles composed of lipids and attracted attention for RNA vaccines against COVID-19. However, they also have potential as a safe, and robust delivery system for gene therapy. LNPs protect fragile nucleic acids, ensure efficient delivery, and overcome biological barriers, making gene therapies more accessible, scalable, and safer for widespread medical use.

Nanoparticle Reagents for Small Molecule Delivery

Enhance the solubility of hydrophobic and amphiphilic compounds.



- Robust protection against degradation with high loading capacity
- Significant enhancement of pharmacokinetics & overall drug efficacy
- Efficient intracellular delivery, minimal cytotoxicity

Nanoparticle Reagents for Peptide Targeted Delivery



Efficient delivery of anionic peptides, essential for the development of targeted & advanced therapies.



- Optimized for negatively charged peptides
- Ideal for proteomics, peptide drug development & targeted therapy research
- Preserve peptide integrity & activity

Nanoparticle Reagents for Protein Targeted Delivery

Ideal for precision biomedicine and therapeutic evaluation.



- Non-toxic, without cationic lipids
- Keep native protein structure and function
- Ideal for protein engineering, targeted therapies & regenerative medicine

Nanoparticle Reagents for mRNA Delivery

Enabling efficient mRNA transfection in cells, including primary cultures and organoids.



- Highly biocompatible and efficient: strong expression without cationic lipids
- RNA therapeutics, precision medicine & *in vitro*/*in vivo* gene expression studies
- Fluorescent options and customized reagents available for delivery of siRNA, miRNA, circRNA & ASOs

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