



Ovalbumin-mRNA Lipid Nanoparticle (LNP)

Catalog: BSLNP-004Z

This product encapsulates 100µg/mL Ovalbumin-mRNA in lipid nanoparticles. It has been designed to produce high expression level of Ovalbumin protein which is commonly used antigen for immunization and biochemical studies and also an established model allergen for airway hyper responsiveness.

PRODUCT INFORMATION

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Product Overview	This product encapsulates 100µg/mL Ovalbumin-mRNA in lipid nanoparticles. It has been designed to produce high expression level of Ovalbumin protein which is commonly used antigen for immunization and biochemical studies and also an established model allergen for airway hyper responsiveness.
Form	Liquid
Storage Buffer	PBS with 5% sucrose
Concentration	The total lipid concentration is 2.5mM
Storage	Store at -80 °C

USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
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Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to ?3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.