

# COVID-19 Spike Protein (Omicron Variant)-mRNA Lipid Nanoparticle (LNP)

Catalog: BSLNP-006Z

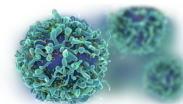
This product encapsulates 50µg/mL COVID-19 Spike Protein (Alpha Variant)-mRNA in lipid nanoparticles. This product utilizes the lipid nanoparticle (LNP) technology platform for simple and efficient delivery of the Omicron variant spike protein (COVID-19) mRNA to a variety of mammalian cells, including cell cultures which may typically be prone to difficulties in expressing desired proteins.

## PRODUCT INFORMATION

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| <b>Product Name</b>     | COVID-19 Spike Protein (Omicron Variant)-mRNA Lipid Nanoparticle (LNP)                                                                                                                                                                                                                                                                                                                                    |
| <b>Catalog Number</b>   | BSLNP-006Z                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Product Overview</b> | This product encapsulates 50µg/mL COVID-19 Spike Protein (Alpha Variant)-mRNA in lipid nanoparticles. This product utilizes the lipid nanoparticle (LNP) technology platform for simple and efficient delivery of the Omicron variant spike protein (COVID-19) mRNA to a variety of mammalian cells, including cell cultures which may typically be prone to difficulties in expressing desired proteins. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | PBS                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Store at 4°C                                                                                                                                                                                                                                                                                                                                                                                              |

## USAGE GUIDELINES

|                         |                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Handling</b> | 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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|----------------------|--------------------------------------------------------------------------------------------------|
| <b>Storage</b>       | <b>Short term:</b> +2°C to +8°C (up to 1 week)<br><b>Long term:</b> -80°C (stable for 12 months) |
| <b>Stability</b>     | Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.                                |
| <b>Freeze / Thaw</b> | 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.