

Version : 02

Update : 02/22/2022

CERTIFICATE OF ANALYSIS

Product Information

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| Product Name | GenCRISPR™ SaCas9 2NLS Nuclease |
| Cat. No. | Z03699 |
| Lot No. | C2111003-B |
| Size | Specified on product label |
| Formulation | Supplied as a solution of 20 mM Tris, 300 mM NaCl, 0.1 mM TCEP, 50% glycerol, pH 7.5 |
| Storage | This product remains stable up to 12 months at -20°C. Avoid repeated freeze-thaw cycles. |
| Expiry Date | 03 Nov, 2022 |

Quality Control

| Test Items | Specifications | Results |
|-----------------|--|---------|
| Appearance | Clear, colorless liquid | Passed |
| Bioactivity | ≥ 90% as analyzed by in vitro assay | Passed |
| Concentration | 4 mg/ml±10% as analyzed by A280 | Passed |
| Purity | ≥ 90% as analyzed by SDS-PAGE | Passed |
| Endotoxin Level | ≤ 100 EU/mg as analyzed by gel clotting method | Passed |
| Residual DNase | Non-specific DNase activity | Passed |
| Residual RNase | Non-specific RNase activity | Passed |

Date: 05/20/2022

Approved by: *Dandan Yao*

Quality Department

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.