

Version :03  
Update : 08/24/2022

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name:	GenCRISPR™ Cas12a (Cpf1) Nuclease
Cat. No.:	Z03502
Lot No.:	C2207008
Size:	Specified on product label
Formulation:	Supplied as a solution of 10 mM Tris, pH7.4, 300 mM NaCl, 0.5 mM DTT, and 50% glycerol.
Stability & Storage:	This product remains stable up to 18 months at -20°C. Avoid repeated freeze-thaw cycles.
Expiry Data:	29-Nov-2023

### Quality Control

Test Items	Specifications	Results
Appearance	Clear, colorless liquid	Pass
Bioactivity	≥ 90% as analyzed by in vitro assay.	Pass
Concentration	4 mg/ml ± 1 mg/ml as analyzed by A280	4.0 mg/ml
Purity	≥ 90% as analyzed by SDS-PAGE	Pass
Endotoxin Level	< 0.1 EU/ µg of the protein by gel clotting method	Pass
Residual RNase	Non-specific RNase activity	Pass
Residual DNase	Non-specific DNase activity	Pass

Date: 08/24/2022

Approved by: *Dandan Yao*

Quality Department

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

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