

Version : 02

Update : 07/12/2021

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name	GenCRISPR™ Cas12a (Cpf1) Nuclease
Cat. No.	Z03502
Lot No.	C2206008
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.
Storage	This product remains stable up to 18 months at -20°C. Avoid repeated freeze-thaw cycles.
Expiry Date	01 Dec, 2023

### Quality Control

Test Items	Specifications	Results
Appearance	Clear, Colorless, Liquid	Conformed
Bioactivity( <i>in vitro</i> )	≥ 90%	Conformed
Concentration by A280	4 mg/ml	4.0 mg/ml
Purity	≥ 90% as analyzed by SDS-PAGE	Conformed
Endotoxin Level	< 0.1 EU/ μg of the protein by gel clotting method	Conformed
DNase activity	Non-specific DNase activity	Conformed
RNase activity	Non-specific RNase activity	Conformed

Date: 06/23/2022

Approved by: *Dandan Yao*

Quality Department

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