

Version : 02  
Update : 05/08/2023

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name:	GenCRISPR™ ErCas12a Nuclease
Cat. No.:	Z03762
Lot No.:	C2311003
Size:	Specified on product label
Storage Buffer:	20 mM Tris-HCl, 300 mM NaCl, 0.1 mM EDTA, 1 mM DTT, 50% Glycerol, pH 7.4.
Storage:	Store at -20 °C for up to 18 months from the date of manufacture. Avoid repeated freeze-thaw cycles. Do not store below -20 °C!
Stability & Storage:	Upon receiving, the lyophilized product remains stable for up to 6 months at lower than -70 °C. Upon reconstitution, the product is stable for up to 1 week at 4 °C or up to 3 months at -20 °C.
Expiry Date:	01-May-2025

### Quality Control

Test Items	Specifications	Results
Appearance	Clear, colorless liquid	Pass
Bioactivity (in vitro)	≥ 90%	Pass
Concentration by A280	4 (± 10%) mg/ml	Pass
Purity	≥ 90% as analyzed by SDS-PAGE	Pass
Endotoxin Level	< 0.1 EU/ µg of the protein by gel clotting method	Pass
Residual Dnase	Undetectable	Pass
Residual Rnase	Undetectable	Pass

Date: 11/21/2023

Approved by: *Dandan Yao*

Quality Department

**For research use only. Not intended for human and animal therapeutic or diagnostic use.**

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