

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	SARS-CoV-2 Spike protein (S1, T19R, G142D, del 156-157, R158G, L452R, T478K, D614G, P681R, His Tag)
Cat. No.	Z03612
Lot No.	B2112047
Size	Specified on product label
Formulation	Liquid, PBS, pH 7.4
Storage	Upon receiving, the product can be stored for 6 months at -20 °C or below. Please avoid repeated freeze-thaw cycles.

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### Quality Control

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Test Items	Specifications	Results
Appearance	Clear, Colorless, Liquid	Passed
Activity	This protein can bind with ACE-2 in functional ELISA assay.	Passed
Concentration	Determined by Bradford assay with BSA as a standard	0.81 mg/ml
Purity	> 90% as analyzed by SDS-PAGE	Passed

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### Caution

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by: *Dandan Yao* Date: 01/19/2022

Quality Department

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