

Active Recombinant SARS-CoV GD01 Spike Protein (R667A, KV968-969PP), His-tagged

Cat. No. Spike-4778S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV GD01 Protein (R667A, KV968-969PP)(Ser 14 - Pro 1195), fused with His tag, was expressed in HEK293.
Species	SARS-CoV
Source	HEK293
ProteinLength	Ser 14 - Pro 1195
Form	Lyophilized from 0.22 µm filtered solution in PBS. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human ACE2, Fc Tag at 5 µg/mL (100 µL/well) can bind SARS-CoV GD01 Spike Trimer, His Tag with a linear range of 0.5-16 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 136.5 kDa. The protein migrates as 160-190 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol Spike

Synonyms Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron

Gene ID 43740568

Protein Refseq YP_009724390.1

UniProt ID P0DTC2

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