

Active Recombinant COVID-19 Spike protein S2, His-tagged

Cat. No. Spike-238V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 Spike protein (Ser686-Pro1213)(F817P, A892P, A899P, A942P, K986P, V987P) was fused to his-tag at the C-terminus and expressed in human 293 cells (HEK293).
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Ser 686 - Pro 1213
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized SARS-CoV-2 Spike S2, His Tag at 1 µg/mL (100 µL/well) can bind SARS-CoV-2 Spike S2 Antibody, Human IgG1 with a linear range of 0.4-3 ng/mL.
Molecular Mass	The protein has a calculated MW of 60.0 kDa. The protein migrates as 65-115 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 storage, the product should be stored at lyophilized state at -20 centigrade or lower.

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Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

-20 centigrade to -70 centigrade for 12 months in lyophilized state;

-70 centigrade 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

Gene ID 43740568

Protein Refseq YP_009724390.1

UniProt ID P0DTC2

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