

Recombinant COVID-19 Spike RBD + SD1 + SD2 protein, His-tagged

Cat. No. Spike-210V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 spike protein receptor binding domain together with subdomain 1 and subdomain 2 (Glu309-Ala684), fused to His-tag at the C-terminus, was expressed in HEK293F.
Species	Sars-CoV-2
Source	HEK293
Description	It's been reported that COVID-19 can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
Form	Liquid in sterile PBS, pH 7.4.
Molecular Mass	Predicted molecular weight: 42.9 kDa
Endotoxin	<0.1 EU per ug of protein as determined by LAL method.
Purity	95% or above

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Storage	The protein is stable in a liquid state at -70 centigrade for 12 months. Avoid repeated freeze-thaw cycles.
Concentration	See product label
Shipping	Recombinant proteins are provided as frozen liquid and will be shipped out with dry ice.
Warning	For research use only.

GENE INFORMATION

Gene Name	S
Official Symbol	S
Synonyms	spike glycoprotein
Gene ID	43740568
Protein Refseq	YP_009724390.1
UniProt ID	P0DTC2

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