

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

Cat. No. Spike-209V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 spike protein receptor binding domain and subdomain (Arg319-Ser591), 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: 31.8 kDa
Endotoxin	<0.1 EU per ug of protein as determined by LAL method.
Purity	90% or above
Storage	The protein is stable in a liquid state at -70 centigrade for 12 months. Avoid repeated freeze-thaw cycles.

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Concentration	See product label
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Shipping	Recombinant proteins are provided as frozen liquid and will be shipped out with dry ice.
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Warning	For research use only.
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GENE INFORMATION

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