

Recombinant COVID-19 Spike protein, Fc-tagged

Cat. No. Spike-416V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	2019-nCoV Spike S is expressed from mammalian with a Fc tag at the C-terminal. It contains Val16-Glu1188.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val16-Glu1188
Description	The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 158.3 kDa. Due to glycosylation, the protein migrates to 230- 250KDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

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GENE INFORMATION

Gene Name	S
Official Symbol	S
Synonyms	S protein, Spike glycoprotein, S glycoprotein, COVID-19
Gene ID	43740568
Protein Refseq	YP_009724390.1
UniProt ID	P0DTC2

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