

SARS-CoV-2 Spike Protein S1 (C.1.2) His-tag Recombinant Protein

Product Details	
Size	100 µg
Species	Virus
Expression system	HEK293 cells
Amino acid sequence	SARS-CoV-2 spike S1 (Accession # YP_009724390.1), amino acids Met1-Arg685 with P9L, C136F, 144-145 deletion, R190S, D215G, Y449H, E484K, N501Y, D614G, H655Y, N679K substitutions and a C-terminal His-tag
Tag	His-tag
Molecular weight	114.84 kDa
Class	Recombinant
Type	Protein
Purity	>95% as determined by SDS-PAGE.
Endotoxin concentration	<1.0 EU/µg
Activity	Immobilized human ACE2 protein (mFc tag) at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 Spike S1 (P9L, C136F, 144-145 deletion, R190S, D215G, Y449H, E484K, N501Y, D614G, H655Y, N679K) Protein (His Tag), the EC50 is 12-80 ng/mL.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Storage buffer	PBS, pH 7.4, with 0.01% mannitol, 5-8% trehalose, 0.01% Tween 80
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay-dependent	-

Product Specific Information

It is recommended that the protein be aliquoted for optimal storage.

The mutations were identified in the SARS-CoV-2 variant known as C.1.2

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