

SARS-CoV-2 Spike Protein S1 (aa14-683), His-Avi Tag Recombinant Protein

Product Details	
Size	100 µg
Species	Virus
Expression system	HEK293 cells
Amino acid sequence	SARS-CoV-2 Spike Protein S1, amino acids Gln14-Arg683 (Accession # YP_009724390.1) with a C-terminal His-tag and Avi-tag
Tag	His-tag, Avi-tag
Molecular weight	77.7 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE and HPLC
Endotoxin concentration	<1.0 EU/µg
Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Spike S1 at 2µg/mL (100 µL/well) can bind recombinant Human ACE2 with a linear range of 0.15-6.85 ng/mL. Immobilized Human ACE2 on COOH Chip, can bind SARS-COV-2 Spike S1 with an affinity constant of 24.5 nM as determined in a SPR assay (Nicoya OpenSPR).
Conjugate	Unconjugated
Form	Lyophilized
Purification	SDS-PAGE
Storage buffer	PBS, pH 7.4
Contains	no preservative
Storage conditions	-20°C or -80°C if preferred

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-
SDS-PAGE (SDS-PAGE)	Assay-dependent	-
Surface plasmon resonance (SPR)	Assay-dependent	-

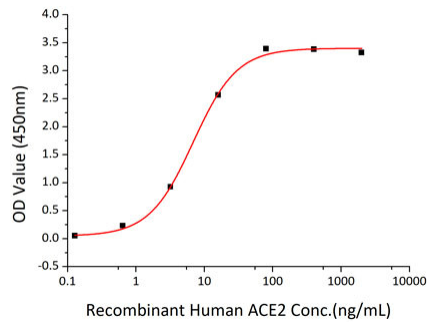
Product Specific Information

Reconstitution: Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Product Images For SARS-CoV-2 Spike Protein S1 (aa14-683), His-Avi Tag Recombinant Protein

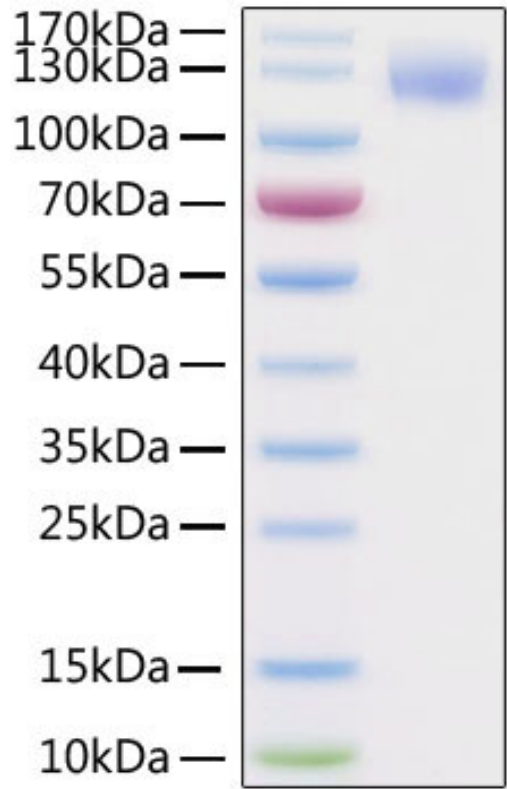
SARS-CoV-2 Spike Protein S1 (aa14-683), His-Avi Tag Protein (RP-87681) in ELISA

ELISA analysis of immobilized Recombinant SARS-CoV-2 Spike S1 (Product # RP-87681) at 2 g/mL (100 L/well). Can bind recombinant Human ACE2 with a linear range of 0.15-6.85 ng/mL.



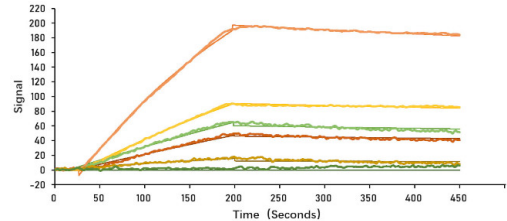
SARS-CoV-2 Spike Protein S1 (aa14-683), His-Avi Tag Protein (RP-87681) in SDS-PAGE

SDS-PAGE analysis of SARS-CoV-2 Spike Protein S1 (aa14-683), His-Avi Tag Recombinant Protein antibody (Product # RP-87681). Recombinant SARS-CoV-2 Spike S1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 110-120 kDa.



SARS-CoV-2 Spike Protein S1 (aa14-683), His-Avi Tag Protein (RP-87681) in SPR

Immobilized Human ACE2 on COOH Chip, can bind SARS-COV-2 Spike S1 (Product # RP-87681) with an affinity constant of 24.5 nM as determined in a SPR assay.



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