

SARS-CoV-2 Spike RBD Recombinant Protein

CARP01258

Protein Information

Size:	50 µg , 100 µg	Tag:	C-His
Reactivity:	SARS-CoV-2	Expressed Host:	HEK293 cells
Calculated MW:	25.94 kDa	Observed MW:	35-40 kDa

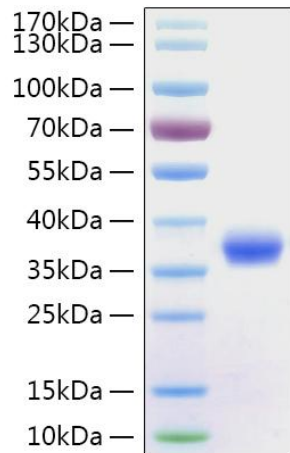
Background

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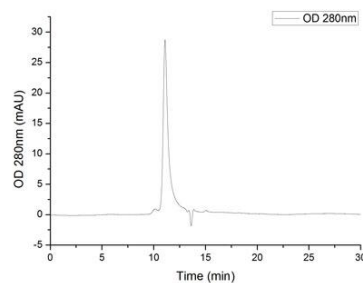
Properties

Synonyms:	Envelope, SARS-CoV-2 Spike RBD (N501Y), Spike, Spike ECD, Spike RBD, Spike S1, Spike S2, Spike S2 ECD, S1-RBD protein, NCP-CoV RBD Protein, novel coronavirus RBD Protein, 2019-nCoV RBD Protein, S glycoprotein Subunit1 RBD Protein
Gene ID:	43740568
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant SARS-CoV-2 Spike RBD Protein (CARP01258), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.
Storage:	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

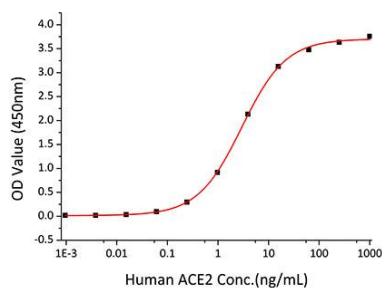
Validation Data



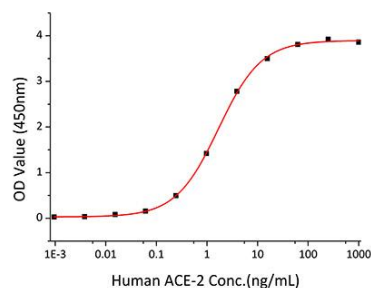
Recombinant SARS-CoV-2 Spike RBD Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of SARS-COV-2 Spike RBD Protein with His tag (CARP01258) was greater than 95% as determined by SEC-HPLC.



Immobilized SARS-CoV-2 Spike RBD (CARP01258) at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human ACE-2 (RPCB0856) with a linear range of 0.001-2.96 ng/mL.



Immobilized SARS-CoV-2 Spike RBD (CARP01258) at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Human ACE-2 (RPCB0856) with a linear range of 0.001-1.69 ng/mL.