

Recombinant SARS-CoV Spike/RBD Protein (RBD, His Tag) Spike protein(Arg306-Phe527), His-tagged

Cat. No. Spike-2418S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant receptor binding domain (RBD) of SARS-CoV (isolate:WH20) spike (AAX16192.1) (Arg306-Phe527) was expressed in Insect Cells with a C-terminal polyhistidine tag.
Species	SARS
Source	Insect Cells
ProteinLength	Arg306-Phe527
Form	Lyophilized from sterile 20mM PBS, 300mM NaCl, 10% glycerol, pH 7.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant receptor binding domain (RBD) of SARS-CoV (isolate:WH20) spike comprises 233 amino acids and has a predicted molecular mass of 26.5 kDa. The apparent molecular mass of the protein is approximately 35.1 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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