

Active Recombinant 2019-nCoV Spike RBD(F490L) Protein, His-tagged

Cat. No. Spike-367V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant 2019-nCoV Spike RBD(F490L) Protein (YP_009724390.1) (Arg 319 - Lys 537(F490L)) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Sars-Cov-2
Source	HEK293
ProteinLength	Arg 319 - Lys 537
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized SARS-CoV-2 S protein RBD (F490L), His Tag at 1 µg/mL (100 µL/well) can bind Human ACE2, Fc Tag with a linear range of 0.1-2 ng/mL.
Molecular Mass	The protein has a calculated MW of 26.6 kDa. The protein migrates as 33-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

centigrade or lower.
Please avoid repeated freeze-thaw cycles.
This product is stable after storage at:
-20 centigrade to -70 centigrade for 12 months in lyophilized state;
-70 centigrade for 3 months under sterile conditions after reconstitution.

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.

GENE INFORMATION

Gene Name [S surface glycoprotein \[Severe acute respiratory syndrome coronavirus 2 \]](#)

Official Symbol [Spike](#)

Synonyms Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19

Gene ID [43740568](#)

Protein Refseq [YP_009724390.1](#)

UniProt ID [P0DTC2](#)

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