

Active Recombinant Bat coronavirus Spike Protein (R668A, KA969-970PP), His-tagged

Cat. No. Spike-4770B Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Bat coronavirus Protein (R668A, KA969-970PP)(Tyr 15 - Pro 1196), fused with His tag, was expressed in HEK293.
Species	BtCoV
Source	HEK293
ProteinLength	Tyr 15 - Pro 1196
Form	Lyophilized from 0.22 µm filtered solution in PBS. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Bat SARS-like coronavirus RsSHC014 Spike Trimer, His Tag at 1 µg/mL (100 µL/well) can bind Human ACE2, Fc Tag with a linear range of 0.1-4 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 136.2 kDa. The protein migrates as 170-200 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, the product should be stored at lyophilized state at -20°C or

 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

lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C 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 Omicron

Gene ID [43740568](#)

Protein Refseq [YP_009724390.1](#)

UniProt ID [P0DTC2](#)

 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