

COVID 19 Spike Protein (S1) Coronavirus Active Protein | COVID-19 active protein

Recombinant Human Novel Coronavirus Spike glycoprotein (S), partial

CATALOG # AAA243739	HOST Mammalian Cell
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PRODUCT SYNONYMS

COVID 19 Spike Protein (S1) Coronavirus; Recombinant Human Novel Coronavirus Spike glycoprotein (S); partial; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike Protein; Spike (S1) Protein; COVID-19 active protein

PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	16-685. Partial (Spike protein S1 chain)
Sequence	VNLTTRTQLP PAYTNSFTRG VYYPDKVFRS SVLHSTQDLF LPFFSNVTWF HAIHVS GTNG TKRFDNPVLP FNDGVYFAST EKSNIIRGWI FGTTLDSTQ SLLIVNNATN VVIKVCEQF CNDPFLGVY HKNNKSWMES EFRVYSSANN CTFEYVSQPF LMDLEGKQGN FKNLREFVFK NIDGYFKIYS KHTPINLV RD LPQGFSALEP LVDLPIGINI TRFQTLALH RSYLTPGDSS SGWTAGAAAY YVGYLQPRTF LLKYNENGTI TDAVDCALDP LSEKCTLKS FTEKGIYQT SNFRVQPTES IVRFPNITNL CPFGEVFNAT RFASVYAWNR KRISNCVADY SVLYNSASF S TFKCYGVSPT KLNDLCFTNV YADSFVIRGD EVRQIAPGQT GKIADYNYKL PDDFTGCVIA WNSNNLDSKV GGNYNLYRL FRKSNLKPFE RDISTEIQ A GSTPCNGVEG FNCYFPLQSY GFQPTNGVG Y QPYRVVLSF ELLHAPATVC GPKKSTNLVK NKC VNFNFNG LTGTGVLTES NKKFLPFQQF GRDIADTTDA VRDPQTLEIL DITPCSFGGV SVITPGTNTS NQVAVLYQDV NCTEVPVAIH ADQLTPTWRV YSTGSNVFQT RAGCLIGA EH VNNSYEC DIP IGAGICASYQ TQTNSPRR AR
Species	Human Novel Coronavirus (2019-nCoV)
Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Activity	1. Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S at 2 ?g/ml can bind human ACE2 , the EC50 of SARS-CoV-2-S protein is 56.64 - 103.6 ng/ml. 2. Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S at 2 ?g/ml can bind SARS-CoV-2-S Antibody , the EC50 of SARS-CoV-2-S protein is 36.79-48.87 ng/ml
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.N/A

ADDITIONAL INFORMATION

Product Categories/Family for COVID-19 active protein	Microbiology
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC2
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

