

COVID 19 Spike Protein Coronavirus Recombinant Protein | COVID-19 recombinant protein

Spike Protein of SARS-CoV-2 (COVID-19)

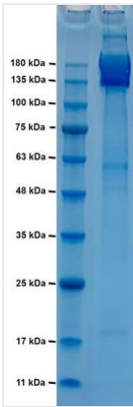
CATALOG # AAA13788	HOST HEK293 Cells	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

COVID 19 Spike Protein Coronavirus; Spike Protein of SARS-CoV-2 (COVID-19); 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; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	≥95% (by SDS PAGE)
Concentration	1 ug/ul in PBS, pH7.4 (varies by lot)
Sequence	VNLTTRTQLP PAYTNSFTRG VYYPDKVFRS SVLHSTQDLF LPFFSNVTWF HAIHVSGTNG TKRFDNPVLP FNDGVYFAST EKSNIIRGWI FGTTLDSTQ SLLIVNATN VVIKVFCEQF CNDPFLGVYY HKNNKSWMES EFRVYSSANN CTFEYVSQPF LMDLEGKQGN FKNLREFVFK NIDGYFKIYS KHTPINLVLD LPQGFSALEP LVDLPIGINI TRFQTLALH RSYLTPGDSS SGWTAGAAAY YVGYLQPRTF LLKYNENGTI TDAVDCALDP LSEKCTLKS FTVEKGIYQT SNFRVQPTES IVRFPNITNL CPFGEVFNAT RFASVYAWNR KRISNCVADY SVLYNSASF S TKCYGVSP T KLNDLCFTNV YADSFVIRGD EVRQIAPGQT GKIADYNYKL PDDFTGCVIA WNSNNLDSKV GGNYNLYRL FRKSNLKPFE RDISTEIQY GSTPCNGVEG FNCYFPLQSY GFQPTNGVG Y QPYRVVLSF ELLHAPATVC GPKKSTNLVK NKC VNFNFNG LTGTGVLTES NKKFLPFQQF GRDIADTTDA VRDPQTLEIL DITPCSFGGV SVITPGTNTS NQVAVLYQDV NCTEVPVAIH ADQLTPTWRV YSTGSNVFQT RAGCLIGA EH VNNSYECDIP IGAGICASYQ TQTNSPRRAR SVASQSIIAY TMSLGAENSV AYSNNSIAIP TNFTISVTTE ILPVSMTKTS VDCTMYICGD STECSNLLLQ YGSFCTQLNR ALTGIAVEQD KNTQEVFAQV KQIYKTPPIK DCGGFNFSQI LPDPSKPSKR SFIEDLLFNK VTLADAGFIK QYGDCLGDIA ARDLICAQKF NGLTVLPPLL TDEMIAQYTS ALLAGTITSG WTFGAGAALQ IPFAMQMAYR FNGIGVTQNV LYENQKLIAN QFNSAIGKI Q DSLSSTASAL GKLQDVVNQN AQALNTLVKQ LSSNFGAISS VLNDILSRDL KVEAEVQIDR LITGRLQSLQ TYVTQQLIRA AEIRASANLA ATKMSECVLG QSKRVDFCGK GYHLMSPQS APHG VVFLHV TYVPAQEKNF TTAPAICH DG KAHFPREGVF VSNGTHW FVT QRNFYEPQII TTDNTFVSGN CDVVIGIVNN TVYDPLQPEL DSFKEELDKY FKNHTSPDVD LGDISGINAS VVNIQKEIDR LNEVAKNLNE SLIDLQELGK YEQH HHHHHH
Applicable Applications for COVID-19 recombinant protein	WB (Western Blot), ELISA, Antigen
Viral Protein	Spike protein (amino acid 16-1208) of human SARS-CoV-2 (GenBank Accession No. QIC53204) with a C-terminal His-tag
Endotoxin Level	<1 EU per 1 ug of the protein by LAL test
Preparation and Storage	Store at -20°C; Stable for 6 months from the date of receipt when kept at 4 degree C. No-hazardous, no MSDS required.



SDS-PAGE
SDS-PAGE (4-20%): purified full-length spike (aa 16-1208) protein (SARS-CoV-2)

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	The novel coronavirus (SARS-CoV-2), previously called 2019-nCoV, is a newly identified coronavirus causing the ongoing outbreak of atypical pneumonia in Wuhan China from late 2019. The genome of SARS-CoV-2 has 89% nucleotide identity with bat SARS-like-CoVZXC21 and 82% with that of human SARS-CoV. The phylogenetic trees of their orf1a/b, Spike, Envelope, Membrane and Nucleocapsid protein also clustered closely with those of the bat, civet and human SARS coronaviruses. However, the external subdomain of Spike's receptor binding domain (RCB) of SARS-CoV-2 shares only 40% amino acid identity with other SARS-related coronaviruses. Recombinant spike (aa 16-1208) protein of SARS-CoV-2 (COVID-19) purified from HEK293 cells
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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.