

COVID 19 Spike glycoprotein (S) Coronavirus Recombinant Protein | COVID-19 recombinant protein

Recombinant Human Novel Coronavirus Spike glycoprotein (S), partial

CATALOG # AAA244037	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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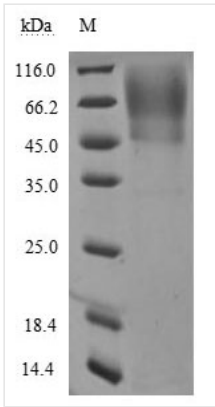
PRODUCT SYNONYMS

COVID 19 Spike glycoprotein (S) 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 glycoprotein (S); COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or 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) Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH8.0
Sequence Positions	16-685aa; partial (Spike protein S1 chain)
Sequence	VNLTTRTQLP PAYTNSFTRG VYYPDKVFRS SVLHSTQDLF LPFFSNVTWF HAIHVSGTNG TKRFDNPVLP FNDGVYFAST EKSNIIRGWI FGTTLDSTQ SLLIVNNATN VVIKVEFQF CNDPFLGVYY HKNNKSWMES EFRVYSSANN CTFEYVSQPF LMDLEGKQGN FKNLREFVK NIDGYFKIYS KHTPINLVRD LPQGFSALEP LVDLPIGINI TRFQTLALH RSYLTPGDSS SGWTAGAAAY YVGYLQPRTF LLKYNGGTI TDAVDCALDP LSETKCTLKS FTVEKGIYQT SNFRVQPTES IVRFPNITNL CPFGEVFNAT RFASVYAWN RKRISNCVADY SVLYNSASF S TKCYGVSP T KLNDLCFTNV YADSFVIRGD EVRQIAPGQT GKIADYNYKL PDDFTGCVIA WNSNNLDSKV GGNYNLYRL FRKSNLKPFE RDISTEIQ A GSTPCNGVEG FNCYFPLQSY GFQPTNGVGY QPYRVVLSF ELLHAPATVC GPKKSTNLVK NKC VNFNFNG LTGTGVLTES NKKFLPFQ QF GRDIADTTDA VRDPQTLEIL DITPCSFGGV SVITPGTNTS NQVAVLYQDV NCTEVPVAIH ADQLTPTWRV YSTGSNVFQT RAGCLIGAEH VNNSYEC DIP IGAGICASYQ TQTNSPRRAR
Species	SARS-CoV-2
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	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.

IMAGES



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. Predicted band size: 88.1kDaObserved band size: 116kDa due to glycosylation

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Human novel coronavirus (SARS-CoV-2) spike glycoprotein (S) amino acids 16-685 with a 6xHis-sumostar-tag at the N-terminus were expressed in the yeast. The resulting protein is the recombinant partial-length human SARS-CoV-2-S protein. The purity of this S protein is greater than 90% determined by SDS-PAGE. Its actually observed molecular weight was about 116kDa.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC2
Molecular Weight	88.1kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/covid-19-spike-glycoprotein-s-coronavirus-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/244037>