

COVID 19 Spike S1+S2 ECD Coronavirus Recombinant Protein | COVID-19 recombinant protein

SARS-CoV-2 Spike Protein (S1+S2 ECD) (His Tag) (Insect Cells)

CATALOG # AAA268878	HOST SARS-CoV-2 (2019-nCoV)
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PRODUCT SYNONYMS

COVID 19 Spike S1+S2 ECD Coronavirus; SARS-CoV-2 Spike Protein (S1+S2 ECD) (His Tag) (Insect Cells); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike S1+S2 ECD; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	SARS-CoV-2 (2019-nCoV)
Purity/Purification	Purity? > 95 % as determined by SDS-PAGE Purification : Ni column
Form/Format	Liquid in sterile PBS, pH7.4.
Sequence	CVNLTTRTQL PPAYTNSFTR GVYYPDKVFR SSVLHSTQDL FLPFFSNVTW FHAIHVSGTN GTKRFDNPVL PFNDGVYFAS TEKSNIIRGW IFGTTLDSTK QSLIVNNAT NVVIKVECFQ FCNDPFLGVY YHKNNKSWME SEFRVYSSAN NCTFEYVSQP FLMDLEGKQG NFKNLREFVF KNIDGYFKIY SKHTPINLVR DLPQGFSALE PLVDLPIGIN ITRFQTLAL HRSYLTGDS SSGWTAGAAA YYVGYLQPRF FLLKYNENGT ITDAVDCALD PLSEKCTLK SFTVEKGIYQ TSNFRVQPT E SIVRFPNITN LCPFGEVFNA TRFASVYAWN RKRISNCVAD YSVLYNSASF STFKCYGVSP TKLNDLCFTN VYADSFVIRG DEVRQIAPGQ TGKIADYNYK LPDDFTGCVI AWNSNNLDSK VGGNYNYLYR LFRKSNLKP ERDISTEIYQ AGSTPCNGVE GFNCYFPLQS YGFQPTNGVG YQPYRVVLS FELLHAPATV CGPKKSTNLV KNKCVNFNFN GLTGTGVLTE SNKKFLPFQQ FGDIADTTDA VRDPQTLEIL DITPCSFGGV SVITPGTNTS NQVAVLYQDV NCTEVPVAIH ADQLTPTWRV YSTGSNVFQT RAGCLIGA EH VNNSYEC DIP IGAGICASYQ TQTNSPRRAR SVASQSIIAY TMSLGAENSV AYSNNNSIAIP TNFTISVTTE ILPVSMTKTS VDCTMYICGD STECSNLLLQ YGSFCTQLNR ALTGIAVEQD KNTQEVFAQV KQIYKTPPIK DFGGFNFSQI LPDPSKPSKR SFIEDLLFNK VTLADAGFIK QYGDCLGDIA ARDLICAQKF NGLTVLPPLL TDEMIAQYTS ALLAGTITSG WTEGAGAALQ IPFAMQMAYR FNGIGVTQNV LYENQKLIAN QFNSAIGKIQ DSLSSTASAL GKLQDVVNQN AQUALNLVKQ LSSNFGAISS VLNDILSRDL KVEAEVQIDR LITGRLQSLQ TYVTQQLIRA AEIRASANLA ATKMSECVLG QSKRVDFCGK GYHLMSFPQS APHGVVFLHV TYVPAQEKNF TTA PAICH DG KAHPREGVF VSNGTHWFVT QRNFYEPQII TTDNTFVSGN CDVVIGIVNN TVYDPLQPEL DSFKEELDKY FKNHTSPD VD LGDISGINAS VVNIQKEIDR LNEVAKNLNE SLIDLQELGK YEYQIKWPWH HHHHHHH.
Expression	Insect Cells
Type	Recombinant protein
Construction	A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) Spike Protein(S1+S2 ECD) was expressed with His-tag in C terminus.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins are provided as liquid which are shipped with ice packs.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Description: A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD) was expressed with His-tag in C terminus. Mol Mass: The ECD protein of SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD) consists of 1241 amino acids. Spike (S) protein has a total length of 1273aa including signal peptide 1-14aa, transmembrane and intramembrane region 1215-1273aa. In the design of S recombinant protein expression, the transmembrane region and the inner membrane region are generally removed; the signal peptide is removed in the cell and the 15-1214aa region is finally expressed. Background: The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Molecular Mass: The ECD protein of SARS-CoV-2 (2019-nCoV) Spike Protein (S1+S2 ECD) consists of 1208 amino acids.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/covid-19-spike-s1-s2-ecd-coronavirus-recombinant-protein/268878>