

SARS MERS Spike Recombinant Protein | SARS recombinant protein

Recombinant SARS MERS Spike Receptor Binding Domain

CATALOG # AAA38072	HOST Sf9, Baculovirus cells
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PRODUCT SYNONYMS

SARS MERS Spike; Recombinant SARS MERS Spike Receptor Binding Domain; SARS MERS RBD; SARS MERS Spike Receptor Binding Domain Recombinant; Middle East respiratory syndrome coronavirus; Human betacoronavirus 2c EMC/2012; MERS-CoV; MERS; MERSCoV RBD; MERS RBD; receptor binding domain; RBD; Spike RBD protein; Spike glycoprotein; S glycoprotein; E2; Peplomer protein; SARS recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9, Baculovirus cells
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered colorless solution. The SARS MERS RBD solution (0.5mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH7.4).
Sequence	ADPSGVYSVS SFEAKPSGSV VEQAEGVECD FSPLLSTPP QVYNFKRLVF TNCNYNLTKL LSLFSVNDFT CSQISPAIA SNCYSSLILD YFSYPLSMKS DLSVSSAGPI SQFNKQSF NPTCLILATV PHNLTTITKP LKYSYINKCS RLLSDDRTEV PQLVNANQYS PCVSIVPSTV WEDGDYRKQ LSPLEGGGWL VASGSTVAMT EQLQMGGFIT VQYGTDTNSV CPKLEFANDT KIASQLGNCV EYHHHHHH
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for SARS recombinant protein	Since April 2012, cases of the Middle East Respiratory Syndrome Coronavirus (MERS-CoV) have been identified in various countries. Coronaviruses are the cause of the common cold, SARS (severe acute respiratory syndrome) and other severe illnesses with high mortality rates, all are classified into coronavirus family. MERS-CoV is a new type of SARS found in the coronavirus family causing severe pneumonia with sudden and serious respiratory illness with high mortality rates as well. Since January 27th 2015, the WHO has reported 956 human cases, including 351 deaths. More cases of the new coronavirus strain are expected. Like in other coronaviruses, large surface spike glycoprotein is a central structural protein of this virus; it is located above the virion surface to bind and enter into the target cell. Spike protein has 2 domains- S1 and S2. The S1 domain is responsible for cellular tropism and interaction with target cell, while the S2 domain is responsible for membrane fusion. The C-terminal of S1 domain contains a receptor binding domain, and is also a potential target for vaccine development and an antigen for identification. SARS MERS RBD Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 258 amino acids (358-606 aa) and having a molecular mass of 28.2kDa. SARS MERS RBD is fused to a 9 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for SARS recombinant protein	VIRAL ANTIGENS- SARS PROTEINS

NCBI AND UNIPROT INFORMATION

UniProt Accession #	K0BRG7
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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.

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Online datasheet: <https://stage.aaabiotech.com/sars-mers-spike-recombinant-protein-sf9-baculovirus-cells/38072>