

Spike glycoprotein Recombinant Protein | S recombinant protein

Recombinant Bovine coronavirus Spike glycoprotein

CATALOG # AAA115910	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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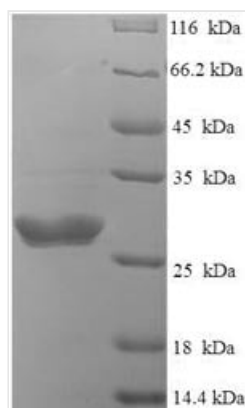
PRODUCT SYNONYMS

Spike glycoprotein; Recombinant Bovine coronavirus Spike glycoprotein; E2; Peplomer protein; S 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)
Sequence Positions	326-540. Partial
Sequence	PNLPDCNIEA WLNDKSVSP LNWERKTFSN CNFNMSSLMS FIQADSFTCN NIEAAKIYGM CFSSITIDKF AIPNGRKVDL QLGNLGYLQS FNYRIDTTAA SCQLYYNLPA ANVSVSRLFNP STWNRFRFGFT EQSVFKPQPV GVFTHHDVVY AQHCFKAPT N FCPCKLDGSL CVGNPGIDA GYKNSGIGTC PAGTNYLTCH NAAQCDCLCT PDPIT
Species	BCoV
Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. Note: If you have any special requirement for the glycerol content, please remark when you place the order. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for S recombinant protein	S1 attaches the virion to the cell membrane by binding to 9-O-acetylated sialic acid containing proteins, initiating the infection. S2 is a class I viral fusion protein. Under the current model, the protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes.
References	Comparison of the nucleotide and deduced amino acid sequences of the S genes specified by virulent and avirulent strains of bovine coronaviruses.Zhang X., Kousoulas K.G., Storz J.Virology 183:397-404(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	138174
UniProt Accession #	P25194
Molecular Weight	27.7 kDa
NCBI Official Full Name	Spike glycoprotein
UniProt Protein Name	Spike glycoprotein
UniProt Gene Name	S
UniProt Synonym Gene Names	S glycoprotein
UniProt Entry Name	SPIKE_CVBV

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://www.aaabiotech.com/s-recombinant-protein-e-coli/115910>