Datasheet for ABIN5710878

Bovine Coronavirus Spike Protein (AA 326-540, partial) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	Bovine Coronavirus Spike (BCoV S)
Protein Characteristics:	AA 326-540, partial
Origin:	Bovine Coronavirus (BCoV)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Bovine Coronavirus Spike protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	PNLPDCNIEA WLNDKSVPSP LNWERKTFSN CNFNMSSLMS FIQADSFTCN NIEAAKIYGM CFSSITIDKF AIPNGRKVDL QLGNLGYLQS FNYRIDTTAA SCQLYYNLPA ANVSVSRFNP STWNRRFGFT EQSVFKPQPV GVFTHHDVVY AQHCFKAPTN FCPCKLDGSL CVGNGPGIDA GYKNSGIGTC PAGTNYLTCH NAAQCDCLCT PDPIT
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	Bovine Coronavirus Spike (BCoV S)
Alternative Name:	Bovine Corona Virus Peplomer Protein (BCoV S Products)
Target Type:	Viral Protein

Target Details

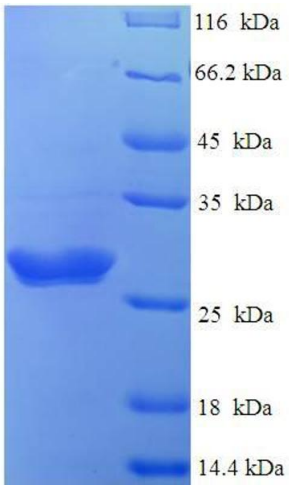
Background:	S1 attaches the virion to the cell mbrane by binding to 9-O-acetylated sialic acid containing proteins, initiating the infection.S2 is a class I viral fusion protein. Under the current model, the protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell mbrane 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 mbranes .
Molecular Weight:	27.7 kDa
UniProt:	P25194

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.