

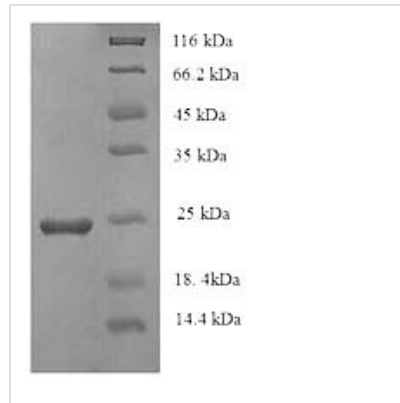


Recombinant Bovine coronavirus Spike glycoprotein (S), partial

Product Code	CSB-YP333052BJO
Relevance	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 .
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P25194
Alias	E2;Peplomer protein
Product Type	Recombinant Protein
Immunogen Species	Bovine coronavirus (strain vaccine) (BCoV) (BCV)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	PNLPDCNIEAWLNDKSVPSPLNWERKTFSNCFNMSSLMSFIQADSFTCNNIE AAKIYGMCFSSITIDKFAIPNGRKVDLQLGNLGYLQSFNYRIDTTAASCQLYYNL PAANVSVSRFNPSTWNRFRFGFTEQSVFKPQPVGVFTHHDVVYAQHCFKAPT NFCPCKLDGSLCVGNPGIDAGYKNSGIGTCPAGTNYLTCHNAAQCDCLCTP DPIT
Research Area	Others
Source	Yeast
Target Names	S
Protein Names	Recommended name: Spike glycoprotein Short name= S glycoprotein Alternative name(s): E2 Peplomer protein Cleaved into the following 2 chains: 1. Spike protein S1 Alternative name(s): 90B Spike protein S2 Alternative name(s):
Expression Region	326-540aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	25.7kDa

**Protein Length**

Partial

Image

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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