Recombinant Avian infectious bursal disease virus Structural polyprotein, partial

Product Code	CSB-EP322212ASG
Relevance	Capsid protein VP2 self assbles to form an icosahedral capsid with a T=13 symmetry, about 70 nm in diameter, and consisting of 260 VP2 trimers. The capsid encapsulates the genomic dsRNA. VP2 is also involved in attachment and entry into the host cell by interacting with host ITGA4/ITGB1 .The precursor of VP2 plays an important role in capsid assbly. First, pre-VP2 and VP2 oligomers assble to form a procapsid. Then, the pre-VP2 intermediates may be processed into VP2 proteins by proteolytic cleavage mediated by VP4 to obtain the mature virion. The final capsid is composed of pentamers and hexamers but VP2 has a natural tendency to assble into all-pentameric structures. Therefore pre-VP2 may be required to allow formation of the hexameric structures .Protease VP4 is a serine protease that cleaves the polyprotein into its final products. Pre-VP2 is first partially cleaved, and may be completely processed by VP4 upon capsid maturation..
Abbreviation	Recombinant Avian infectious bursal disease virus Structural polyprotein, partial
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.	P15480
Product Type	Recombinant Proteins
Immunogen Species	Avian infectious bursal disease virus (strain Cu-1) (IBDV) (Gumboro disease virus)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	RFPHNPRDWDRLPYLNLPYLPPNAGRQYHLAMAASEFKETPELESAVRAMEA AANVDPLFQSALSVFMWLEENGIVTDMANFALSDPNAHRMRNFLANAPQAGS KSQRAKYGTAGYGVEARGPTPEEAQREKDTRISKKMETMGIYFATPEWVALN GHRGPSPGQLKYWQNTREIPDPNEDYLDYVHAEKSRLASEEQILRAATSIYGA PGQAEPPQAFIDEVAKVYEINHGRGPNQEQMKDLLLTAMEMKHRNPRRALPK PKPKPNAPTQRPPGRLGRWIRTVSDEDLE
Research Area	Others
Source	E.coli
Target Names	N/A
Expression Region	723-1012aa
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	36.8kDa
Protein Length	Partial
Image	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
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