Non-Structural Polyprotein, Partial (SPDVgp01) Salmon Pancreas Disease Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Non-structural polyprotein, partial (SPDVgp01), Recombinant Protein
Full Product Name	Recombinant Salmon pancreas disease virus Non-structural polyprotein, partial
Product Gene Name	SPDVgp01 recombinant protein
Product Synonym Names	Non-structural polyprotein; Polyprotein nsP1234; P1234Cleaved into the following 5 chains:; 1. P123; 2. mRNA-capping enzyme nsP1; EC=3. 2.1.1.-; EC=4. 2.7.7.-; Non-structural protein 1; Protease nsP2; EC=3.1.3.33; EC=3.4.22.-; EC=3.6.1.15; EC=3.6.4.13; No
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	285,752 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8JJX1
Species	Salmon pancreas disease virus (SPDV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SPDVgp01 recombinant protein	MBS1415304 is a recombinant protein targeting SPDVgp01. Also known as Recombinant Salmon pancreas disease virus Non-structural polyprotein, partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SPDVgp01 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPDVgp01. It may not necessarily be applicable to this product.

NCBI GI #	21321728
NCBI GeneID	2193531
NCBI Accession #	NP_647496.1
UniProt Primary Accession #	Q8JJX1
UniProt Related Accession #	Q8JJX1
GenBank Nucleotide #	NC_003930.1

NCBI Official Full Name	non-structural polyprotein
NCBI Official Symbol	SPDVgp01
UniProt Protein Name	Non-structural polyprotein
UniProt Synonym Protein Names	Polyprotein nsP1234; P1234
UniProt Gene Name	P1234
UniProt Synonym Gene Names	nsP2; nsP3; nsP4
UniProt Entry Name	POLN_SPDV
NCBI Protein Information	non-structural polyprotein; non structural protein P1; non structural protein P2; non structural protein P3; non structural protein P4
UniProt Comments for SPDVgp01	P123 is short-lived polyproteins, accumulating during early stage of infection. It localizes the viral replication complex to the cytoplasmic surface of modified endosomes and lysosomes. By interacting with nsP4, it starts viral genome replication into antigenome. After these early events, P123 is cleaved sequentially into nsP1, nsP2 and nsP3. This sequence of delayed processing would allow correct assembly and membrane association of the RNA polymerase complex ().
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