Triplex Capsid Protein 22 (22) (ORF22) Equine Herpesvirus 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Triplex capsid protein 22 (22) (ORF22), Recombinant Protein
Full Product Name	Recombinant Equine herpesvirus 1 Triplex capsid protein 22 (22)
Product Gene Name	ORF22 recombinant protein
Sequence	MNLGGNRFVQ IGNGMSNIMY TDANGAVRWE QISPPAGFPQ QQRGRGRGHV AFGLPNTLDW LPGFVQATPN SITISNMGGI QISSAGVITA AINSEQNSWM LSSFNPSLKL TRQVTLTDFC DPTAERPGLP IIRLRHHLDA IGSSPSSTPP GRNPQELDEA WAALSELSVS GRSDTTGLRP SLLSLTFLVA SRSGEYSDKA AAEAVRAHVL ANYRDRRTEQ RLDRFGEYLQ AMVRTHVFPH KHMTVFGGLI SHVIQDKLAS LTAVAGGVQE GARTNNSAVP RSSVYVPACA FLDVDHELKL GDASAKFVYL IFVYSQRLRR EGVRVYVAVS KFDEVAFEDA VSFLFHKART ESAIRGTEGA DAPEPHPNAA LPLQELSSSR CEPRCPPSRL NNREFTNALY QWAPDLRGRP NRTSCMYAAY IRLGAIASDS PRTTRRSERF GSVDMPVVWL ENVRWDPQDW VECSY
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	51,307 Da
Sequence Positions	1-465, Full length protein
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 P28935
Species	Equine herpesvirus 1 (strain Ab4p) (EHV-1) (Equine abortion virus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ORF22 recombinant protein	MBS1221589 is a recombinant protein targeting ORF22. Also known as Recombinant Equine herpesvirus 1 Triplex capsid protein 22 (22). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ORF22 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 ORF22. It may not necessarily be applicable to this product.

NCBI GI #	50313263
NCBI GeneID	1487541
NCBI Accession #	YP_053067.1
UniProt Primary Accession #	P28935
UniProt Secondary Accession #	Q6DLI9

GenBank Nucleotide #	NC_001491.2
NCBI Official Full Name	capsid triplex subunit 1
NCBI Official Symbol	ORF22
UniProt Protein Name	Triplex capsid protein 1
UniProt Gene Name	TRX1
NCBI Protein Information	complexed 1:2 with capsid triplex subunit 2 to connect capsid hexons and pentons
UniProt Comments for ORF22	Structural component of the T=16 icosahedral capsid. The capsid is composed of pentamers and hexamers of major capsid protein/MCP, which are linked together by heterotrimers called triplexes. These triplexes are formed by a single molecule of triplex protein 1/TRX1 and two copies of triplex protein 2/TRX2. Additionally, TRX1 is required for efficient transport of TRX2 to the nucleus, which is the site of capsid assembly.
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