Capsid-Binding Protein 33 (33) (ORF33) Equine Herpesvirus 2 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Capsid-binding protein 33 (33) (ORF33), Recombinant Protein
Full Product Name	Recombinant Equine herpesvirus 2 Capsid-binding protein 33 (33)
Product Gene Name	ORF33 recombinant protein
Sequence	MASGGVGGTR ELFRQFLNKE CIWKKSPNSS PYLKIYVATT AISPVFKPDV GGRGRPGSAH AINVTALFMK PKGRRTCAAF YVNGLLLEAC VPEVIFTKVV PGVLGLFLIY FGPFAEPRRP FPIPTEPAIS APQNVQLLNR MEMLDTSTHI ALSDLGEAVA GREFTSVGKL VWWDGEAFFF YYLSMEYMMC CPTISEHTTL SRFITLLTQC DDRGCVPCHG RKIHANVAGG YTDPGSDGVS TTCLCTLSCA ALEKELVPVT KNKSLLSLMF GPMTYQQVTH LRFTPSTRPA RIQDIISGVT ETGDRVDVRD GTWNLLKMSS LYSRCTLYEC QILKRQCLRS Y
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	37,759 Da
Sequence Positions	1-341, 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 Q66636
Species	Equine herpesvirus 2 (strain 86/87) (EHV-2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ORF33 recombinant protein	MBS1352541 is a recombinant protein targeting ORF33. Also known as Recombinant Equine herpesvirus 2 Capsid-binding protein 33 (33). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ORF33 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 ORF33. It may not necessarily be applicable to this product.

NCBI GI #	9628035
NCBI GeneID	1461046
NCBI Accession #	NP_042629.1
UniProt Primary Accession #	Q66636
GenBank Nucleotide #	NC_001650.2
NCBI Official Full Name	tegument protein UL16

NCBI Official Symbol	ORF33
UniProt Protein Name	Cytoplasmic envelopment protein 2
UniProt Gene Name	33
NCBI Protein Information	possibly involved in virion morphogenesis
UniProt Comments for ORF33	Plays a critical role in cytoplasmic virus egress. Participates in the final step of tegumentation and envelope acquisition within the host cytoplasm by directly interacting with the capsid. Upon virion binding to target cell, a signaling cascade is triggered to disrupt the interaction with the capsid, thereby preparing capsid uncoating.
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