Genome Polyprotein (ORF1) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Genome polyprotein (ORF1), Recombinant Protein
Full Product Name	Recombinant Vesicular exanthema of swine virus serotype A48 Genome polyprotein (ORF1), partial
Product Gene Name	ORF1 recombinant protein
Product Synonym Gene Name	ORF1
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	208,813 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 Q9DUN3
Species	Vesicular exanthema of swine virus serotype A48 (isolate Swine/United States/A48/1948) (VESV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ORF1 recombinant protein	MBS1439818 is a recombinant protein targeting ORF1. Also known as Recombinant Vesicular exanthema of swine virus serotype A48 Genome polyprotein (ORF1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ORF1 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 ORF1. It may not necessarily be applicable to this product.

NCBI GI #	10314008
NCBI GeneID	911834
NCBI Accession #	NP_066255.1
UniProt Primary Accession #	Q9DUN3
GenBank Nucleotide #	NC_002551.1
NCBI Official Full Name	non-structural polyprotein
NCBI Official Symbol	VESVgp1
UniProt Protein Name	Genome polyprotein
UniProt Synonym Protein Names	Protein p16Protein p32NTPase (EC:3.6.1.15)Alternative name(s):p39

Protein Family	Capsid protein
UniProt Gene Name	ORF1
UniProt Synonym Gene Names	Pro-Pol
NCBI Protein Information	non-structural polyprotein; putative N-terminal leader protein; putative counterpart of the picornavirus membrane modification protein 2B; putative NTPase protein; putative ortholog of FCV p30; putative VPg; Putative cysteine proteinase; putative RNA-dependent RNA polymerase
UniProt Comments for ORF1	NTPase presumably plays a role in replication. Despite having similarities with helicases, does not seem to display any helicase activity ().
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