Matrix Protein (M) (J423_gp3) Chandipura Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Matrix protein (M) (J423_gp3), Recombinant Protein
Full Product Name	Recombinant Chandipura virus Matrix protein (M)
Product Gene Name	J423_gp3 recombinant protein
Product Synonym Gene Name	M
Sequence	MQRLKKFIAK REKGDKGKMK WNSSMDYDSP PSYQDVRRGI FPTAPLFGME DDMMEFTPSL GIQTLKLQYK CVVNINAINP FRDFREAISA MQFWEADYSG YIGKKPFYRA IILHTARQLK TSNPGILDRG VVEYHATTQG RALVFHSLGP SPSMMFVPET FTREWNILTN KGTINVKIWL GETDTLSELE PILNPVNFRD DREMIEGAAI MGLEIKKQKD NTWLISKSH
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	26,332 Da
Sequence Positions	1-229, 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 Q9WH76
Species	Chandipura virus (strain I653514) (CHPV)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for J423_gp3 recombinant protein	MBS1454454 is a recombinant protein targeting J423_gp3. Also known as Recombinant Chandipura virus Matrix protein (M). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of J423_gp3 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 J423_gp3. It may not necessarily be applicable to this product.

NCBI GI #	471236990
NCBI GeneID	14857909
NCBI Accession #	YP_007641379.1
UniProt Primary Accession #	Q9WH76
GenBank Nucleotide #	NC_020805.1

NCBI Official Full Name	matrix protein
NCBI Official Symbol	J423_gp3
UniProt Protein Name	Matrix protein
UniProt Gene Name	M
NCBI Protein Information	matrix protein
UniProt Comments for J423_gp3	Plays a major role in assembly and budding of virion. Condensates the ribonucleocapsid core during virus assembly. Shut off cellular transcription by inhibiting mRNA nuclear export through direct interaction with host RAE1-NUP98 complex. This shutoff presumably inhibit interferon signaling and thus establishment of antiviral state in virus infected cells. Induces cell-rounding, cytoskeleton disorganization and apoptosis in infected cell ().
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