GDP-Mannose Transporter (VRG4) Scheffersomyces Stipitis Recombinant Protein

PRODUCT OVERVIEW

Product Name	GDP-mannose transporter (VRG4), Recombinant Protein
Full Product Name	Recombinant Scheffersomyces stipitis GDP-mannose transporter (VRG4)
Product Gene Name	VRG4 recombinant protein
Product Synonym Gene Name	VRG4; PICST_48772
Product Synonym Names	Recombinant GDP-mannose transporter (VRG4); GDP-mannose transporter; GMT
Sequence	MESSLAAIAN SGPISIFSYC VSSILMTVTN KYVLSGFSFN MNFLLLAVQS IVCIVTIGSL KSFGVITYRQ FNKEEARKWS PIAVLLVIMI YTSSKALQYL SIPVYTIFKN LTIILIAYGE VLWFGGKVTT MALSSFLLMV FSSVVAWYGD EAVSGSGNES FIALYLGYFW MATNCFASAA FVLIMRKRIK LTNFKDFDTM YYNNLLSIPI LLASSIIFED WSAENLAVNF PSDNRTATIA AMVLSGASSV GISYCSAWCV RVTSSTTYSM VGALNKLPIA LSGLVFFPAA VNFWSVASIF VGFAAGLVYA VAKQRQQKEN VSLPSSK
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	35,766 Da
Sequence Positions	1-327
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.
Chromosome Location	Chromosome: 6; NC_009046.1 (238705..239688, complement). Location: chromosome: 6
3D Structure	ModBase 3D Structure for A3LWX1
Species	Scheffersomyces stipitis (strain 58785 / CBS 6054 / NBRC 10063 / NRRL Y-11545) (Yeast) (Pichia stipitis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for VRG4 recombinant protein	MBS1234608 is a recombinant protein targeting VRG4. Also known as Recombinant Scheffersomyces stipitis GDP-mannose transporter (VRG4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of VRG4 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 VRG4. It may not necessarily be applicable to this product.

NCBI GI #	126138426
NCBI GeneID	4840002
NCBI Accession #	XP_001385736.1

UniProt Primary Accession #	A3LWX1
UniProt Related Accession #	A3LWX1
GenBank Nucleotide #	XM_001385699.1
NCBI Official Full Name	GDP-mannose transporter into the lumen of the Golgi
NCBI Official Symbol	VRG4
UniProt Protein Name	GDP-mannose transporter
UniProt Gene Name	VRG4
UniProt Synonym Gene Names	GMT
UniProt Entry Name	GMT_PICST
NCBI Protein Information	GDP-mannose transporter into the lumen of the Golgi
UniProt Comments for VRG4	Function: Involved in the import of GDP-mannose from the cytoplasm into the Golgi lumen By similarity. Subunit structure: Homooligomer By similarity. Subcellular location: Golgi apparatus membrane; Multi-pass membrane protein By similarity. Cytoplasmic vesicle membrane; Multi-pass membrane protein By similarity. Endoplasmic reticulum membrane; Multi-pass membrane protein By similarity. Sequence similarities: Belongs to the TPT transporter family. SLC35D subfamily.
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