GDP-Mannose Transporter 1 (VRG4) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	GDP-mannose transporter 1 (VRG4), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae GDP-mannose transporter 1 (VRG4), partial
Product Gene Name	VRG4 recombinant protein
Sequence	MSELKTGHAG HNPWASVANS GPISILSYCG SSILMTVTNK FVVNLKDFNM NFVMLFVQSL VCTITLIILR ILGYAKFRSL NKTDAKNWFP ISFLLVLMIY TSSKALQYLA VPIYTIFKNL TIILIAYGEV LFFGGSVTSM ELSSFLLMVL SSVVATWGDQ QAVAAKAASL AEGAAGAVAS FNPGYFWMFT NCITSALFVL IMRKRIKLTN FKDFDTMFYN NVLALPILLL FSFCVEDWSS VNLTNNFSND SLTAMIISGV ASVGISYCSG WCVRVTSSTT YSMVGALNKL PIALSGLIFF DAPRNFLSIL SIFIGFLSGI IYAVAKQKKQ QAQPLRK
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	37,019 Da
Sequence Positions	1-337
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 B3LHR7
Species	Saccharomyces cerevisiae (strain RM11-1a) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for VRG4 recombinant protein	MBS1237735 is a recombinant protein targeting VRG4. Also known as Recombinant Saccharomyces cerevisiae GDP-mannose transporter 1 (VRG4), partial. 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 #	290463230
NCBI Accession #	B3LHR7.1
UniProt Primary Accession #	B3LHR7
NCBI Official Full Name	GDP-mannose transporter 1
UniProt Protein Name	GDP-mannose transporter 1

UniProt Synonym Protein Names	Low dye-binding protein 3; Morphogenesis checkpoint-dependent protein 3; Vanadate resistance glycosylation protein 4
UniProt Gene Name	VRG4
UniProt Synonym Gene Names	GOG5; LDB3; MCD3; VAN2; VIG4; GMT 1
UniProt Comments for VRG4	Involved in the import of GDP-mannose from the cytoplasm into the Golgi lumen. Defective copy causes severe glycosylation defect and abnormal retention of soluble endoplasmic reticulum proteins. Involved in vanadate sensitivity ().
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