Dolichyl-Phosphate-Mannose--Protein Mannosyltransferase 4 (PMT4) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dolichyl-phosphate-mannose--protein mannosyltransferase 4 (PMT4), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Dolichyl-phosphate-mannose--protein mannosyltransferase 4 (PMT4) , partial
Product Gene Name	PMT4 recombinant protein
Sequence	MSVPKKRNHG KLPPSTKDVD DPSLKYTKAA PKCEQVAEHW LLQPLPEPES RYSFWVTIVT LLAFAARFYK IWYPKEVVFD EVHFGKFASY YLERSYFFDV HPPFAKMMIA FIGWLCGYDG SFKFDEIGYS YETHPAPYIA YRSFNAILGT LTVPIMFNTL KELNFRAITC AFASLLVAID TAHVTETRLI LLDAILIISI AATMYCYVRF YKCQLRQPFT WSWYIWLHAT GLSLSFVIST KYVGVMTYSA IGFAAVVNLW QLLDIKAGLS LRQFMRHFSK RLNGLVLIPF VIYLFWFWVH FTVLNTSGPG DAFMSAEFQE TLKDSPLSVD SKTVNYFDII TIKHQDTDAF LHSHLARYPQ RYEDGRISSA GQQVTGYTHP DFNNQWEVLP PHGSDVGKGQ AVLLNQHIRL RHVATDTYLL AHDVASPFYP TNEEITTVTL EEGDGELYPE TLFAFQPLKK SDEGHVLKSK TVSFRLFHVD TSVALWTHND ELLPDWGFQQ QEINGNKKVI DPSNNWVVDE IVNLDEVRKV YIPKVVKPLP FLKKWIETQK SMFEHNNKLS SEHPFASEPY SWPGSLSGVS FWTNGDEKKQ IYFIGNIIGW WFQVISLAVF VGIIVADLIT RHRGYYALNK MTREKLYGPL MFFFVSWCCH YFPFFLMARQ KFLHHYLPAH LIACLFSGAL WEVIFSDCKS LDLEKDEDIS GASYERNPKV YVKPYTVFLV CVSCAVAWFF VYFSPLVYGD VSLSPSEVVS REWFDIELNF SK
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	87,966 Da
Sequence Positions	1-762
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 P46971
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PMT4 recombinant protein	MBS1256226 is a recombinant protein targeting PMT4. Also known as Recombinant Saccharomyces cerevisiae Dolichyl-phosphate-mannose--protein mannosyltransferase 4 (PMT4) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PMT4 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 PMT4. It may not necessarily be applicable to this product.

NCBI GI #	6322603
NCBI GeneID	853608
NCBI Accession #	NP_012677.1
UniProt Primary Accession #	P46971
UniProt Secondary Accession #	D6VWW2
GenBank Nucleotide #	NM_001181801.1
NCBI Official Full Name	dolichyl-phosphate-mannose-protein mannosyltransferase
UniProt Protein Name	Dolichyl-phosphate-mannose--protein mannosyltransferase 4
Protein Family	Putrescine N-methyltransferase
UniProt Gene Name	PMT4
UniProt Comments for PMT4	Protein O-mannosyltransferase involved in O-glycosylation which is essential for cell wall rigidity. Forms a homodimeric complex to transfer mannose from Dol-P-mannose to Ser or Thr residues on proteins. Specifically acts on secretory proteins with an ER-luminally oriented Ser/Thr-rich region flanked by a membrane anchor such as FUS1, AXL2, GAS1, KEX2, MID2, WSC1, WSC2, OPY2, PRM5, RAX2, or YNL176.
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