Dpm2 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	Dpm2, Blocking Peptide
Full Product Name	Dpm2 Immunizing Peptide
Product Gene Name	Dpm2 blocking peptide
Product Synonym Names	Dpm2; dolichol-phosphate (beta-D) mannosyltransferase 2; RP23-255P20.5; AW557993; R75484; OTTMUSP00000012854; Dpm2 (mouse)
Sequence	C-YVMLKSQK ITKKAQ
Species Reactivity	Mouse
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	Dpm2 peptide (MBS426914) is used for blocking the activity of Dpm2 antibody (MBS422180)
Molecular Weight	9,376 Da
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for Dpm2 blocking peptide	MBS426914 is a blocking peptide targeting Dpm2. Also known as Dpm2 Immunizing Peptide. Reactive in Mouse.
Other Notes	Small volumes of Dpm2 blocking peptide 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 Dpm2. It may not necessarily be applicable to this product.

NCBI GI #	6753672
NCBI GeneID	13481
NCBI Accession #	NP_034203.1
UniProt Related Accession #	Q9Z324
GenBank Nucleotide #	NM_010073.2
NCBI Official Full Name	dolichol phosphate-mannose biosynthesis regulatory protein
NCBI Official Synonym Full Names	dolichol-phosphate (beta-D) mannosyltransferase 2
NCBI Official Symbol	Dpm2
NCBI Official Synonym Symbols	R75484; AW557993
UniProt Protein Name	Dolichol phosphate-mannose biosynthesis regulatory protein
UniProt Synonym Protein Names	Dolichol-phosphate mannose synthase subunit 2; DPM synthase subunit 2
Protein Family	Dolichol phosphate-mannose biosynthesis regulatory protein
UniProt Gene Name	Dpm2
UniProt Synonym Gene Names	DPM synthase subunit 2

UniProt Entry Name	DPM2_MOUSE
NCBI Protein Information	dolichol phosphate-mannose biosynthesis regulatory protein
UniProt Comments for Dpm2	DPM2: Regulates the biosynthesis of dolichol phosphate- mannose. Essential for the ER localization and stable expression of DPM1. Belongs to the DPM2 family. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Endoplasmic reticulum; Transferase Cellular Component: endoplasmic reticulum; endoplasmic reticulum membrane; glycosylphosphatidylinositol-N-acetylglucosaminyltransferase (GPI-GnT) complex; integral to endoplasmic reticulum membrane; integral to membrane; membrane; perinuclear region of cytoplasm Molecular Function: dolichyl-phosphate beta-D-mannosyltransferase activity; enzyme regulator activity; protein binding Biological Process: dolichol metabolic process; GPI anchor biosynthetic process; protein amino acid O-linked mannosylation; regulation of catalytic activity; regulation of protein stability
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