



# Recombinant Mouse Dolichol-phosphate mannosyltransferase (Dpm1)

<b>Product Code</b>	CSB-YP007134MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O70152
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ASTGASRSL AASPRPPQGR SSRQDKYSVL LPTYNERENL PLIVWLLVKS FSEAINYEI IIIDDGSPDG TREVAEQLAE IYGPDRILLR PREKKLGLGT AYIHGIKHAT GNYVIIMDAD LSHHPKFIPE FIRKQKEGNF DIVSGTRYKG NGGVYGWDLK RKIISRGANF ITQILLRPGA SDLTGSFRLY RKEVLQKLIE KCVSKGYVFQ MEMIVRARQM NYTIGEVPIF FVDRVYGESK LGGNEIVSFL KGLLTLFATT
<b>Source</b>	Yeast
<b>Target Names</b>	Dpm1
<b>Protein Names</b>	Recommended name: Dolichol-phosphate mannosyltransferase EC= 2.4.1.83 Alternative name(s): Dolichol-phosphate mannose synthase Short name= DPM synthase Dolichyl-phosphate beta-D-mannosyltransferase Mannose-P-dolichol synthase
<b>Expression Region</b>	2-260
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the luminal side of the endoplasmic reticulum (ER). Lack of Dol-P-Man results in defective surface expression of GPI-anchored proteins. Dol-P-Man is synthesized from GDP-mannose and dolichol-phosphate on the cytosolic side of the ER by the enzyme dolichyl-phosphate mannosyltransferase. Human DPM1 lacks a carboxy-terminal transmembrane domain and signal sequence and is regulated by DPM2.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.