



Recombinant Mouse Dolichol-phosphate mannosyltransferase (Dpm1)

Product Code	CSB-EP007134MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O70152
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	ASTGASRSL AASPRPPQGR SSRQDKYSVL LPTYNERENL PLIVWLLVKS FSESAINYEI IIIDDGSPDG TREVAEQLAE IYGPDRILLR PREKKLGLGT AYIHGIKHAT GNYVIIMDAD LSHHPKFIPE FIRKQKEGNF DIVSGTRYKG NGGVYGWDLK RKIISRGANF ITQILLRPGA SDLTGSFRLY RKEVLQKLIE KCVSKGYVFQ MEMIVRARQM NYTIGEVPI S FVDRVYGESK LGGNEIVSFL KGLLTLFATT
Source	E.coli
Target Names	Dpm1
Protein Names	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
Expression Region	2-260
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.
Shelf Life	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.