Recombinant Human PMM2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PMM2-6090H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PMM2 MS Standard C13 and N15-labeled recombinant protein (NP_000294) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene catalyzes the isomerization of mannose 6-phosphate to mannose 1-phosphate, which is a precursor to GDP-mannose necessary for the synthesis of dolichol-P-oligosaccharides. Mutations in this gene have been shown to cause defects in glycoprotein biosynthesis, which manifests as carbohydrate-deficient glycoprotein syndrome type I.
Molecular Mass	27.9 kDa
AA Sequence	MAAPGPALCLFDVDGTLTAPRQKITKEMDDFLQKLRQKIKIGVVGGSDFEKVQEQLG NDVVEKYDYVFPENGLVAYKDGKLLCRQNIQSHLGEALIQDLINYCLSYIAKIKLPKKR GTFIEFRNGMLNVSPIGRSCSQEERIEFYELDKKENIRQKFVADLRKEFAGKGLTFSI GGQISFDVFPDGWDKRYCLRHVENDGYKTIYFFGDKTMPGGNDHEIFTDPRTMGYS VTAPEDTRRICELLFSTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

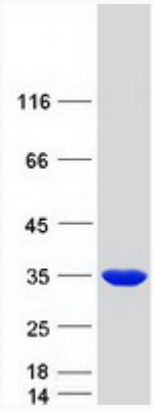
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	conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PMM2 phosphomannomutase 2 [Homo sapiens (human)]
Official Symbol	PMM2
Synonyms	PMM2; phosphomannomutase 2; CDG1; CDG1a; CDGS; PMM 2;
Gene ID	5373
mRNA Refseq	NM_000303
Protein Refseq	NP_000294
MIM	601785
UniProt ID	O15305

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SDS-PAGE	

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