

Product datasheet for PH300186

GMPPB (NM_021971) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GMPPB MS Standard C13 and N15-labeled recombinant protein (NP_068806)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200186
Predicted MW:	39.9 kDa
Protein Sequence:	>RC200186 protein sequence Red=Cloning site Green=Tags(s)
	MKALILVGGYGTRLRPLTLSTPKPLVDFCNKPILLHQVEALAAAGVDHVILAVSYMSQVLEKEMKAQEQR LGIRISMSHEEEPLGTAGPLALARDLLSETADPFVFLNSDVICDFPFQAMVQFHRHHGQEGSILVTKVEE PSKYGVVVCEADTGRIHRFVEKPQVFVSNKINAGMYILSPAVLRRIQLQPTSIEKEVFPIMAKEGQLYAM ELQGFWMIDIGQPKDFLTGMCLFLQSLRQKQPERLCSGPGIVGNVLVDPSARIGQNCISGPNVSLGPGVVV EDGVCIRRCTVLRDARIRSHSWLESCIVGWRCRVGQWVRMENVTVLGEDVIVNDELVLNGASVLPKHSIG ESVPEPRIIM
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_068806</u>
RefSeq Size:	1607
RefSeq ORF:	1080
Synonyms:	LGMDR19; MDDGA14; MDDGB14; MDDGC14
Locus ID:	29925



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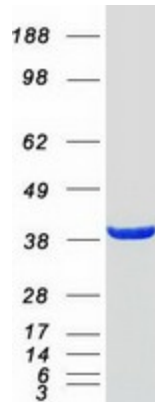
UniProt ID: [Q9Y5P6](#)

Cytogenetics: 3p21.31

Summary: This gene is thought to encode a GDP-mannose pyrophosphorylase. The encoded protein catalyzes the conversion of mannose-1-phosphate and GTP to GDP-mannose, a reaction involved in the production of N-linked oligosaccharides. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2009]

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified GMPPB protein (Cat# [TP300186]). The protein was produced from HEK293T cells transfected with GMPPB cDNA clone (Cat# [RC200186]) using MegaTran 2.0 (Cat# [TT210002]).