

Product datasheet for **TP300186**

GMPPB (NM_021971) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human GDP-mannose pyrophosphorylase B (GMPPB), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200186 protein sequence Red =Cloning site Green =Tags(s)
	 MKALILVGGYGTRLRPLTLSTPKPLVDFCNKPILLHQVEALAAAGVDHVILAVSYMSQVLEKEMKAQEQR LGIRISMSHEEEPLGTAGPLALARDLLSETADPFFVLNSDVICDFPFQAMVQFHRHHGQEGSILVTKVEE PSKYGVVCEADTGRIHRFVEKPVFVSNKINAGMYILSPAVLRRIQLQPTSIEKEVFPIMAKEGQLYAM ELQGFWMDIGQPKDFTGMCLFLQSLRQKQPERLCSGPGIVGNLVDPSARIGQNCISGPNVSLGPGVWV EDGVCIRRCTVLRDARIRSHSWLESCIVGWRCRVGQWVRMENVTVLGEDVIVNDELYLNGASVLPKHSIG ESVPEPRIIM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	39.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_068806</u>



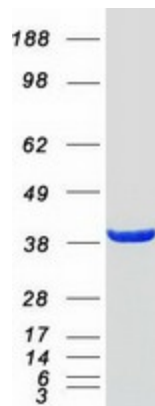
[View online »](#)

Locus ID: 29925
UniProt ID: [Q9Y5P6](#)
RefSeq Size: 1607
Cytogenetics: 3p21.31
RefSeq ORF: 1080
Synonyms: LGMDR19; MDDGA14; MDDGB14; MDDGC14

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]).