

# Recombinant Full Length Mouse GDP-mannose pyrophosphorylase B Protein, Flag tagged

**Cat. No.** Gmppb-30MFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse GDP-mannose pyrophosphorylase B (Gmppb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-360aa
<b>Description</b>	Predicted to enable mannose-1-phosphate guanylyltransferase activity. Predicted to be involved in GDP-mannose biosynthetic process; cell wall mannoprotein biosynthetic process; and protein glycosylation. Located in mitochondrion. Is expressed in several structures, including alimentary system; genitourinary system; nervous system; respiratory system; and sensory organ. Human ortholog(s) of this gene implicated in autosomal recessive limb-girdle muscular dystrophy type 2T; congenital muscular dystrophy-dystroglycanopathy A14; and muscular dystrophy-dystroglycanopathy. Orthologous to human GMPPB (GDP-mannose pyrophosphorylase B).
<b>Tag</b>	C-Flag
<b>Molecular Mass</b>	39.9 kDa
<b>AA Sequence</b>	MKALILVGGYGTRLRPLTLSTPKPLVDFCNKPILLHQVEALAAAGVDHVILAVSYMSQ

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MLEKEMKAQEQLGIRISMSHEEEPLGTAGPLALARDLLSETADPFFVLNSDVICDFP  
 FQAMVQFHRHHGQEGSILVTKVEEPSKYGVVVCEADTGRIHRFVEKPKQVFVSNKIN  
 AGMYILSPAVLQRIQLKPTSIEKEIFPVMAKEGQLYAMELQGFWMDIGQPKDFLTGM  
 CLFLQSLRQKHPERLYSGPGIVGNLVDPSARIGQNC SIGPNVSLGPGVVVEDGVCI  
 RRCTVLRDAHIRSHSWLESCIVGWRCRVGQWVRMENVTVLGEDVIVNDELYLNGA  
 SVLPHKSIGESVPEPRIIMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Notes** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade after receiving vials.

**Storage Buffer** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Concentration** > 0.05 µg/µL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** [Gmppb GDP-mannose pyrophosphorylase B \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Gmppb](#)

**Synonyms** Gmppb; GDP-mannose pyrophosphorylase B; mannose-1-phosphate guanyltransferase beta; GTP-mannose-1-phosphate guanylyltransferase beta; EC 2.7.7.13; E430010H19

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Gene ID	331026
mRNA Refseq	NM_177910
Protein Refseq	NP_808578
UniProt ID	Q8BTZ7

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