

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

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

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse GDP-mannose pyrophosphorylase B (Gmppb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
ProteinLength	1-360aa
Description	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).
Tag	C-Flag
Molecular Mass	39.9 kDa
AA Sequence	MKALILVGGYGTRLRPLTLSTPKPLVDFCNKPILLHQVEALAAAGVDHVILAVSYMSQ

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MLEKEMKAQEQLGIRISMSHEEEPLGTAGPLALARDLLSETADPFFVLNSDVICDFP
 FQAMVQFHRHHGQEGSILVTKVEEPSKYGVVCEADTGRIHRFVEKPQVFVSNKIN
 AGMYILSPAVLQRIQLKPTSIEKEIFPVMAKEGQLYAMELQGFWM DIGQPKDFLTGM
 CLFLQSLRQKHPERLYSGPGIVGNVLVDPSARIGQNC SIGPNVSLGPGVVVEDGVC I
 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 guanyltrtransferase beta; GTP-mannose-1-phosphate guanylyltrtransferase 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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