

Product datasheet for **MC214600**

Gmppb (NM_177910) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gmppb (NM_177910) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gmppb
Synonyms: AI317178; E430010H19
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214600 representing NM_177910
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGCACTGATCTTGGTGGGAGGGTATGGGACACGGTTGCGGCCGCTGACGTTGAGCACTCCGAAGC
CATTGGTGGACTTCTGCAATAAGCCCATCTTGTCATCAAGTGGAGGCGCTTGTGCGGCAGGTGTGGA
CCACGTGATCCTGGCAGTGAGCTACATGTCACAGATGTTGGAGAAGGAAATGAAGGCACAAGAGCAAAGG
CTTGGAATCCGAATCTCTATGTCTCATGAAGAGGAGCCTTTGGGGACAGCTGGGCCCTCTGGCGTTGGCC
GAGACCTACTATCTGAGACTGCCGACCCTTTCTTCGTTCTCAACAGTGATGTGATATGTGATTTCCCTT
CCAAGCCATGGTGCAGTTTCATCGGCACCATGGCCAAGAGGGCTCCATCTTGGTTACCAAGTGGGAAGAG
CCTTCCAAGTATGGTGTGGTGGTATGTGAGGCTGACACAGGCCGATCCACCGTTTTTGTGAGAAGCCAC
AGGTGTTTGTGTCCAATAAGATCAACGCAGGCATGTACATCCTGAGCCCTGCTGTGCTGCAGCGCATCCA
GCTGAAGCCTACATCCATTGAGAAGGAGATCTTCCCAGTTATGGCCAAGGAGGGGAGCTATATGCCATG
GAGCTGCAGGGCTTCTGGATGGACATTGGACAGCCCAAGGATTTCTCACTGGCATGTGCCTCTTCTCTAC
AATCGCTGAGACAGAAGCATCCAGAGAGACTGTACTCAGGCCCTGGCATTGTGGGGAATGTACTTGTGGA
CCCAAGTGCCCGTATCGGTGAGAACTGCAGCATTGGCCCAATGTAAAGCCTGGGTCTGGTGTGGTGGTG
GAGGATGGTGTGTGCATCCGGCGATGCACAGTGCTTCGTGATGCTCACATCCGCTCCCATTCCTGGCTTG
AGTCATGCATCGTGGCTGGCGCTGCCGTGTGGGCAATGGGTGCGCATGGAGAATGTAACAGTGTGGG
TGAAGATGTCATAGTTAATGATGAACTGTACCTCAATGGAGCCAGCGTGTGCCCAAGTCTATCGGG
GAGTCAGTACCAGAACCTCGTATTATCATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177910



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Insert Size:	1083 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_177910.3</u> , <u>NP_808578.1</u>
RefSeq Size:	1789 bp
RefSeq ORF:	1083 bp
Locus ID:	331026
UniProt ID:	<u>Q8BTZ7</u>
Cytogenetics:	9 F1
Gene Summary:	Catalyzes the formation of GDP-mannose, an essential precursor of glycan moieties of glycoproteins and glycolipids.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.