

Product datasheet for **RN208007**

Gmppa (NM_001025056) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gmppa (NM_001025056) Rat Untagged Clone
Tag: Tag Free
Symbol: Gmppa
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208007 representing NM_001025056
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTCAAAGCTGTGATCCTCATTGGAGGACCCAGAAGGGGACTCGCTTCAGGCCCTTTGTCTTTGAAG
 TGCCCAAACCGTTGTTCCCTGTGGCAGGTGTCCCTATGATCCAGCACCATATAGAAGCCTGTGCCAGGT
 CCCTGGGATGCAGGAGATTCTACTATTGGCTTCTACCAGCCTGATGAGGCTCTCACCCAGTTCCCTGGAA
 GCTGCACAGCAGGAGTTTAACTTCCAGTCAGGTATCTGCAGGAGTTCACTCCCCTTGGCACAGGGGGTG
 GCCTCTACCATTTTCGGGACCAGATCCTGGCTGGCGCACCTGAGGCCCTTCTCGTGCTCAATGCTGATGT
 CTGTTCTGACTTCCCTCTGAGTGCCATGTTGGATGCTCACAGGCTCCAACGCCACCCTTCTACTCCTT
 GGCACCACGGCGAACAGGACACAATCTCTCAACTACGGCTGCATCGTTGAGAATCCACAGACGCATGAGG
 TCCTGCACTATGTGGAGAAACCCAGCACCTTATCAGCGACATCAACTGTGGCATCTACCTTTTCTC
 CCCAGAAGCCCTGAAGCCTCTCCGGGATGTTTTCCAGCGTAATCAGCAGGATGGGCAACTGGAGGAATCT
 CCAGGCTCCTGGCTGGTGCAGGGACCATCCGACTAGAGCAGGATGTGTTCTCAGCCCTGGCTGGGCAGG
 GCCAAATCTATGTGCACCTCACCGACGGCATCTGGAGCCAGATCAAGTCGGCAGGCTCGGCCCTTATGC
 TTCCCGCCTGTATCTGGGGCGATACCAGATCACCCACCCAGAACGGCTAGCCAGACACACTGCAGGGGGC
 CCACGAATCAGAGGAAATGTTTACATCCATCCAATGCTAAAGTGGCCCCATCAGCTGTGCTGGGCCCA
 ATGTCTCCATTGGGAAGGGGGTGACCATAGGCGAGGGTGTGCGTCTCGGGGAGAGTATTGTCTCCATGG
 AGCCCACTGCAGGAACACACCTGTGTCTTACAGCATTGTGGGCTGGGGGAGCACTGTGGGGCGCTGG
 GCCCGGTAGAGGGGACTCCCAATGACCCCAATCCCAATGACCCCGCGCCCGCATGGACAGCGAGAGCC
 TCTTCAAAGATGGAAAGCTACTTCTGCCATCACCATCCTGGGCTGCCGAGTACGGATCCCCGCTGAGGT
 GCTTATCTTGAATCGATTGTTCTACCACATAAGGAGCTGAGTCGAAGCTTCACCAACCAATCATTCTG
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001025056
Insert Size:	1263 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_001025056.1</u> , <u>NP_001020227.1</u>
RefSeq Size:	1662 bp
RefSeq ORF:	1263 bp
Locus ID:	501167
UniProt ID:	<u>Q5XIC1</u>
Cytogenetics:	9q33
Gene Summary:	May serve as a regulatory subunit and allow allosteric feedback inhibition of GMPPB by GDP-mannose.[UniProtKB/Swiss-Prot Function]