

## Product datasheet for **SC308236**

### GMPPA (NM\_205847) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | GMPPA (NM_205847) Human Untagged Clone  |
| Tag:                      | Tag Free  |
| Symbol:                   | GMPPA   |
| Synonyms:                 | AAMR  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Fully Sequenced ORF:      | >SC308236 representing NM_205847.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCAAAGCGGTGATCCTGATTGGAGGCCCTCAAAGGGAACCGCTTCAGACCTTTGTCTTTTGGAG
GTGCCCAAACCATTTCTGTGGCAGGGTCCCTATGATCCAACACCATATTGAAGCCTGTGCCAG
GTCCCTGGAATGCAGGAGATTCTGCTCATTGGCTTCTACCAACCTGATGAGCCCCACCCAGTTCTA
GAAGCCGCCAGCAGGAGTTAACCTCCAGTCAGGTACCTGCAGGAATTTGCCCCCTAGGCACAGGG
GGTGGTCTTACCATTTTCGAGACCAGATCCTGGCTGGGAGCCCCGAGGCATTCTTCGTGCTCAATGCT
GATGCTGCTCCGACTTCCCCTTGAGTGCTATGTTGGAAGCCACCGACGCCAGCGTCACCCCTTTCTTA
CTCCTTGGCACTACGGCTAACAGGACGCAATCCCTCAACTACGGCTGCATCGTTGAGAATCCACAGACA
CACGAGGTATTGCACTATGTGGAGAAACCCAGCACATTTATCAGTGACATCATCAACTGCCGCATCTAC
CTCTTTCTCCTGAAGCCTTGAAGCCTTCTCGGGATGTCTTCCAGCGTAATCAGCAGGATGGGCAATTG
GAGGACTACCCAGGCTTGTGGCCAGGGGACGGTACCATCCGCCTAGAGCAGGATGTGTTTCAGCCCTG
GCAGGGCAGGGCCAGATACGTGCATCTCACTGATGGTATCTGGAGTCAGATCAAGTCCGCAGGTTCA
GCCCTACGCCTCCCGCCTCTACCTGAGCCGATACCAGGACACTACCCAGAACGGTGGCCAAGCAC
ACCCAGGGGGCCCATGGATCCGAGGGAATGTGTACATCCACCCGACCCCAAGGTGGCCCCCTCGGCT
GTGCTGGGCCCAACGTCTCCATCGGGAAGGGGTGACCGTGGGTGAGGGTGTGCCGCTCCGGGAGAGC
ATCGTCCCTCCATGGAGCCACTTTGCAGGAGCACACGTGTGTTCTGCATAGCATCGTGGGCTGGGGGAGC
ACCGTGGGACGCTGGGCCCGCTGGAGGGTACCCCAAGTACCCTAACCCCAACGATCCCGAGCCCGC
ATGGACAGTGAGAGCCTTTCAAGGACGGGAAGCTGCTGCCTGCTATCACCATCCTGGGCTGCCAGTC
CGGATCCCTGCCGAGGTGCTCATCTGAACTCGATTGTTCTGCCACAAAGGAGCTGAGCCGAAGCTTC
ACCAACCAGATCATCCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>Plasmid Map:</b>           | □   |
| <b>ACCN:</b>                  | NM_205847   |
| <b>Insert Size:</b>           | 1263 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_205847.2</a>   |
| <b>RefSeq Size:</b>           | 1845 bp   |
| <b>RefSeq ORF:</b>            | 1263 bp   |
| <b>Locus ID:</b>              | 29926   |
| <b>UniProt ID:</b>            | <a href="#">Q96JJ6</a>  |
| <b>Cytogenetics:</b>          | 2q35  |
| <b>Protein Pathways:</b>      | Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways  |
| <b>MW:</b>                    | 46.3 kDa  |
| <b>Gene Summary:</b>          | This gene is thought to encode a GDP-mannose pyrophosphorylase. This enzyme catalyzes the reaction which converts mannose-1-phosphate and GTP to GDP-mannose which is involved in the production of N-linked oligosaccharides. [provided by RefSeq, Jul 2008]<br>Transcript Variant: This variant (2) represents the longer transcript. Variants 1 and 2 encode the same protein.   |