

Product datasheet for SC313251

GMPPB (NM_013334) Human Untagged Clone

Product data:

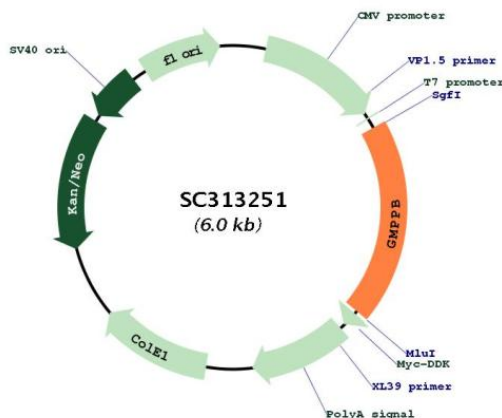
Product Type:	Expression Plasmids
Product Name:	GMPPB (NM_013334) Human Untagged Clone
Tag:	Tag Free
Symbol:	GMPPB
Synonyms:	LGMDR19; MDDGA14; MDDGB14; MDDGC14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313251 representing NM_013334. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGCACTGATCTTAGTGGGGGCTATGGGACGCGGCTACGGCCGCTGACGCTGAGCACCCGAAG
CCACTGGTGGACTTCTGCAATAAGCCCATCTTGTGTCACCAAGTGGAGGCGCTAGCCGGCAGGCGTG
GACCACGTGATCCTGGCCGTGAGCTACATGTCGCAGGTGCTGGAGAAGGAAATGAAGGCACAGGAGCAG
AGGCTGGGAATCCGAATCTCCATGTCCCATGAAGAGGAGCCTTTGGGGACAGCTGGGCCCTGGCGCTG
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GAGGAACCCTCCAAGTACGGTGTGGTGGTGTGAGGCTGACACAGGCCGATTACCCGGTTCGTGGAG
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CGCATCCAGCTGCAGCCTACGTCCATTGAGAAGGAGGTCTTCCCCATTATGGCCAAGGAGGGGCAGCTA
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CTCTTCTGCAGTCACTGAGGCAGAAGCAGCCTGAGCGGCTGTGCTCAGGCCCTGGCATTGTGGCAAC
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GGCGTGGTGGTGAAGATGGTGTGTGTATCCGGCGGTGCACGGTGTGCGGGATGCCCGGATCCGTTCC
CATTCTGGCTTGAGTCTGATTGTGGGCTGGCGCTGCCGCTGGGTGAGTGGGTAAGCCTGTGGGCT
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CGCATGGAGAACGTGACAGTGTGGGTGAGGACGTCATAGTTAATGATGAGCTCTACCTCAACGGAGCC
AGCGTGTGCCCAAGTCTATTGGCGAGTCAAGTCCAGAGCCTCGTATCATCATGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_013334

Insert Size: 1164 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).

OTI Annotation: 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.

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:

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: [NM_013334.3](#)

RefSeq Size: 1688 bp

RefSeq ORF: 1164 bp

Locus ID: 29925

UniProt ID: [Q9Y5P6](#)

Cytogenetics:	3p21.31
Domains:	hexapep, NTP_transferase
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways
MW:	42.6 kDa
Gene Summary:	<p>This gene is thought to encode a GDP-mannose pyrophosphorylase. The encoded protein catalyzes the conversion of mannose-1-phosphate and GTP to GDP-mannose, a reaction involved in the production of N-linked oligosaccharides. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jan 2009]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>