

Product datasheet for **SC319413**

GMPPB (NM_021971) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GMPPB (NM_021971) Human Untagged Clone
Tag:	Tag Free
Symbol:	GMPPB
Synonyms:	LGMDR19; MDDGA14; MDDGB14; MDDGC14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021971.1
 CTGTGTTGTGGCGCCCTGGATCCGGCGTCAGGGCGACCGGGCGGACGAGGTGGAGCCAG
 AGTCTGTGAGCGGGTTGGTGAAGGGCGCGGGGCCGGGCACGGCGTTGGGAGTGCAGCGG
 AGGGACCGGCCAGGCGGGCTGCAGGCACCTCAGAGCCCGGACACCCCTCAACGTCCGC
 AGGCGCGATGAAGGCACTGATCTTAGTGGGGGGTATGGGACGCGGCTACGGCCGCTGAC
 GCTGAGCACCCGAAGCCACTGGTGGACTTCTGCAATAAGCCCATCTTGCTGCACCAAGT
 GGAGGGCGTAGCCGCGGCGAGGCGTGGACCACGTGATCCTGGCCGTGAGCTACATGTCGA
 GGTGCTGGAGAAGGAAATGAAGGCACAGGAGCAGAGGCTGGGAATCCGAATCTCCATGTC
 CCATGAAGAGGAGCCTTTGGGGACAGTGGGCCCTGGCGCTGGCCCGTGACCTACTCTC
 TGAGACTGCAGACCTTTCTTCGTCTCAACAGTGACGTGATCTGCGATTTCCCTTCCA
 AGCCATGGTGCAGTTCCACCGGCACCATGGCCAGGAGGGCTCCATCCTGGTGACCAAGGT
 GGAGGAACCTCCAAGTACGGTGTGGTGGTGTGTGAGGCTGACACAGGCCGATTACCCG
 GTTCGTGGAGAAGCCACAGGTGTTTGTGTCCAATAAGATCAACGCAGGCATGTACATCCT
 GAGCCCTGCAGTGTGCGGCGCATCCAGCTGCAGCCTACGTCCATTGAGAAGGAGGTCTT
 CCCATTATGGCCAAGGAGGGGCAGCTATATGCCATGGAGTTACAGGGCTTCTGGATGGA
 CATTGGGCAGCCCAAGGACTTCCCTCACTGGCATGTGCCTTCTCTGCAGTCACTGAGGCA
 GAAGCAGCCTGAGCGGCTGTGCTCAGGCCCTGGCATTGTGGGCAACGTGCTGGTGGACCC
 AAGTCCCCGCATCGGCCAGAAGTGCAGCATTGGCCCCAATGTGAGCCTGGGACCTGGCGT
 GGTGGTGAAGATGGTGTGTATCCGGCGGTGCACGGTGTGCGGGATGCCCGGATCCCG
 TTCCATTCTTGCTTGTGCTCCTGCAATTGTGGCTGGCGCTGCCCGTGGGTGAGTGGGT
 ACGCATGGAGAAGTGCAGTGTGCTGGGTGAGGACGTCATAGTTAATGATGAGCTCTACCT
 CAACGGAGCCAGCGTGTGCCCCACAAGTCTATTGGCGAGTCACTGCCAGAGCCTCGTAT
 CATCATGTGAGGGGATGCAGTGGGGCTGGCCGAGCCCCGGTTTTCCCATCAGCAAGGGGA
 GTGCTGGCCTGACACATCAGAAGACCCTGGACTTGTATTATTTGTCTGGGGGGCACTGG
 GTGAAGCTGAAGCTGTTGGACACCTGCCTTCTCATGTGGACATCATCTGGCAGGATCCCT
 GCTGGGCACCCCCACAAACCCACTCCCTCAAGAAGGGCCAGGGCCAGGGCTGTATGGA
 ATAATAATTTAATGCTCACTGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_021971
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:	<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:	NM_021971.1 , NP_068806.1
RefSeq Size:	1583 bp
RefSeq ORF:	1083 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
Gene Summary:	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] Transcript Variant: This variant (2) lacks a portion of an exon in the 3' coding region compared to variant 1. The encoded isoform (2) lacks an in-frame internal segment and is shorter than isoform 1.