

Product datasheet for RC200149

GMPPA (NM_013335) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GMPPA (NM_013335) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GMPPA
Synonyms:	AAMR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200149 representing NM_013335 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAAAGCGGTGATCCTGATTGGAGGCCCTCAAAGGGAACCTCGCTTCAGACCTTTGTCTTTGAGG
TGCCCAAACCATTGTTTCTGTGGCAGGGGTCCCTATGATCCAACACCATTGAAGCCTGTGCCAGGT
CCCTGGAATGCAGGAGATTCTGCTATTGGCTTCTACCAACCTGATGAGCCCTCACCCAGTTCTAGAA
GCCGCCAGCAGGAGTTAACCTTCCAGTCAGGTACCTGCAGGAATTTGCCCCCTAGGCACAGGGGTG
GTCTTTACCATTTTCGAGACCAGATCCTGGCTGGGAGCCCGAGGCATTCTTCGTGCTCAATGCTGATGT
CTGCTCCGACTTCCCCTTGAGTGCTATGTTGGAAGCCACCGACGCCAGGTCACCTTTCTACTCCTT
GGCACTACGGCTAACAGGACGCAATCCCTCAACTACGGCTGCATCGTTGAGAATCCACAGACACACGAGG
TATTGCACTATGTGGAGAAACCCAGCACATTTATCAGTGACATCAACTGCGGCATCTACCTCTTTTC
TCCTGAAGCCTTGAAGCCTCTTCGGGATGCTTCCAGCGTAATCAGCAGGATGGGCAATTGGAGGACTCA
CCAGGCTTGTGGCCAGGGGCAGGTACCATCCGCTAGAGCAGGATGTGTTTTAGCCCTGGCAGGGCAGG
GCCAGATATACGTGCATCTCACTGATGGTATCTGGAGTCAGATCAAGTCCGAGGTTCCAGCCCTACGC
CTCCCCTCTACCTGAGCCGATACCAGGACACTACCCAGAACGGCTGGCCAAGCACACCCAGGGGGC
CCATGGATCCGAGGGAATGTGTACATCCACCCGACCGCAAGGTGGCCCTCGGCTGTGCTGGCCCA
ACGTCTCCATCGGGAAGGGGTGACCGTGGGTGAGGGTGTGCGGCTCCGGGAGAGCATCGTCTCCATGG
AGCCACTTTGCAGGAGCACAGTGTGTTCTGCATAGCATCGTGGGCTGGGGGAGCACCGTGGGACGCTGG
GCCCGGTGGAGGATACCCAGTGACCCTAACCCCAACGATCCCGAGCCCGCATGGACAGTGAGAGCC
TCTTCAAGGACGGGAAGCTGCTGCCTGCTATCACCATCCTGGGCTGCCGAGTCCGGATCCCTGCCGAGGT
GCTCATCTGAATCGATTGTTCTGCCACACAAGGAGCTGAGCCGAAGCTTACCAACCAGATCATCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200149 representing NM_013335
Red=Cloning site Green=Tags(s)

MLKAVILIGGPQKGRFRPLSFEVPKPLFPVAGVPMIQHHIEACAQVPGMQEILLIGFYQPDEPLTQFLE
 AAQQEFNLPVRYLQEFAPLGTGGGLYHFRDQILAGSPEAFFVLNADVCSDFPLSAMLEAHRQRHPFLLL
 GTTANRTQSLNYGCIVENPQTHEVLHYVEKPSTFISDIINCGIYLF SPEALKPLRDVVFQRNQDGGQLEDS
 PGLWPGAGTIRLEQDVF SALAGQQIYVHLTDGIWSQIKSAGSALYASRLYL SRYQDTHPERLAKHTPGG
 PWIRGNVYIHPTAKVAPSAVLGPNVSIKGVTVGEGVRLRESIVLHGATLQEHTCVLHSIVGWGSTVGRW
 ARVEGTPSDPNPNDRARMDSESLFKDGKLLPAITILGCRVRIPAEVLILNSIVLPHKELSRSTNQIIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8077_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013335

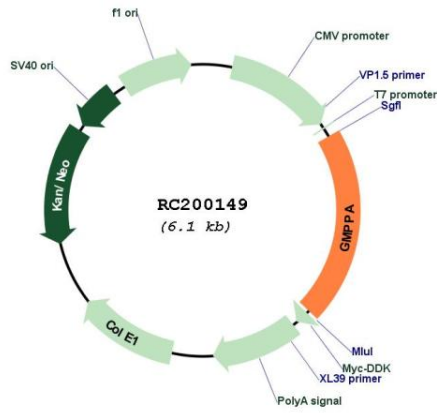
ORF Size: 1260 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_013335.4
RefSeq Size:	1543 bp
RefSeq ORF:	1263 bp
Locus ID:	29926
UniProt ID:	Q96IJ6
Cytogenetics:	2q35
Domains:	hexapep, NTP_transferase
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways
MW:	46.1 kDa
Gene Summary:	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]

Product images:



Circular map for RC200149