

## Product datasheet for **RC232712**

### **MAG1 (GPAT3) (NM\_001256421) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAG1 (GPAT3) (NM_001256421) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAG1
Synonyms:	AGPAT8; AGPAT9; AGPAT 10; AGPAT10; HMFN0839; LPAAT-theta; MAG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC232712 representing NM\_001256421  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGGCGCAGAGCTGGCCGGAAGATCCTTCCACCTGGCTGACGCTGGTTCTCGGCTTCATCCTTT  
 TACCTTCGGTCTTCGGAGTGTCTCTGGGCATCTCCGAGATCTACATGAAGATCCTAGTGA AAACTTTAGA  
 GTGGGCCACAATACGAATTGAAAAGGAACCCAAAGGAGTTCGATTCTTAAAACTCTGCTTCTGTTGGT  
 ATTATCCAAAGAGATGAGTACCCATGGAAAAGGGCTCTCTGGTCTACGAGGAAGGGACTTTGAGCTGT  
 CTGACGTGTTTTATTTCTCAAGAAGGGATTGGAAGCCATTGTAGAAGATGAAGTGACCCAGAGGTTTTTC  
 CTCAGAGGAGCTAGTGCATGGAATCTCCTCACAAGAACCAATGTAAATTTCCAGTACATCAGTCTGCGG  
 CTCACTATGGTGTGGGTCTGGGCGTCATAGTGCCTATTGTGTCCTACTGCCTCTGAGGGTTACCTTGG  
 CTTTCATTGGGATCAGTTTGTGGTTATAGGAACACTGCTGGTGGCAGCTGCCAGACAGCAGCCTCAA  
 AAAGTGGCTGAGTGAAGTGGTCCATCTGACTTGTGCCGGATCTGTGTGCGAGCCCTCTCTGGTACCATT  
 CATTATCATAACAAGCAGTACAGACCCAGAAGGGAGGCATTTGTGTTGCCAACCACTACTCCCCCATTTG  
 ATGTTTTAATCTTGACAACGGATGGATGTTATGCTATGTTGGCCAGGTTTCATGGCGCTTGATGGGAAT  
 TATTCAGAGAGCTATGGTCAAGGCTTGCTCATGTCTGGTTGAACGCTCAGAAATGAAGGATCGACAC  
 CTGGTTACTAAGAGACTAAAAGAACATATTGCTGATAAGAAGAACTACCCATACTAATTTTTCTGAAG  
 GAAGTTGCATCAACAATACTTCAGTTCATGATGTTTAAAAGGGGAGCTTTGAAATGGAGGAACCATACA  
 TCCAGTTGCAATTAAGTATAACCCTCAGTTCGGTGATGCATTTTGAACAGTAGTAAATACAACATGGTG  
 AGCTACCTGCTTCAATGATGACCAGCTGGGCCATCGTCTGTGACGTGTGGTACATGCCCCCATGACCA  
 GAGAGGAAGGAGAAGATGCAGTCCAGTTTGTAAACAGGGTTAAGTCTGCTATTGCTATAACAAGAGGCCT  
 GACTGAACCTCCCTGGGATGGAGGACTAAAGAGAGCAAAGGTGAAGGACATCTTTAAGGAAGAGCAGCAG  
 AAAAATTACAGCAAGATGATTGTGGCAATGGATCTCTCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232712 representing NM\_001256421  
 Red=Cloning site Green=Tags(s)

MEGAELAGKILSTWLTLLVGFILLPSVFGVSLGISEIYMKILVKTLEWATIRIEKGPKEKILKNSASVG  
 IIQRDESPMEKGLSGLRGRDFELSDVFYFSKKGLEAIVEDEVTRFSSEELVSWNLLTRTNVNFQYISLR  
 LTMVWVLGVIVRYCVLLPLRVTLAFIGISLLVIGTTLVGQLPDSCLKNWLSELVHLTCCRICVRLSGTI  
 HYHNKQYRPQKGGICVANHTSPIDVLILTTDGCYAMVGQVHGGLMGI IQRAMVKACPHVWFERSEMKDRH  
 LVTKRLKEHIADKKKLPILIFPEGTCINNTSVMMFKKGSFEIGGTIHPVAIKYNPQFGDAFWNSSKYNMV  
 SYLLRMMTSWAI VCDVWYMPMTREEGEDAVQFANRVKSAIAIQGGLTELPWDGGLKRAKVKDIFKEEQQ  
 KNYSKMIVGNLSLS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6200\\_f07.zip](https://cdn.origene.com/chromatograms/mk6200_f07.zip)

**Restriction Sites:**

Sgfl-Mlul

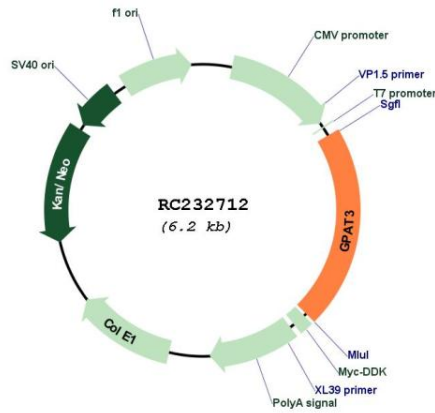


**Protein Families:** Transmembrane

**MW:** 48.7 kDa

**Gene Summary:** This gene encodes a member of the lysophosphatidic acid acyltransferase protein family. The encoded protein is an enzyme which catalyzes the conversion of glycerol-3-phosphate to lysophosphatidic acid in the synthesis of triacylglycerol. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jan 2012]

**Product images:**



Circular map for RC232712