

Product datasheet for **SC330425**

MAG1 (GPAT3) (NM_001256422) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAG1 (GPAT3) (NM_001256422) Human Untagged Clone
Tag: Tag Free
Symbol: MAG1
Synonyms: AGPAT8; AGPAT9; AGPAT 10; AGPAT10; HMFN0839; LPAAT-theta; MAG1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330425 representing NM_001256422.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGGGCGCAGAGCTGGCCGGGAAGATCCTTTCCACCTGGCTGACGCTGGTTCTCGGCTTCATCCTT
TTACCTTCGGTCTTCGGAGTGTCTCTGGGCATCTCCGAGATCTACATGAAGATCCTAGTGAAAACCTTA
GAGTGGGCCACAATACGAATTGAAAAAGGAACCCCAAAGGAGTCGATTCTAAAAACTCTGCTTCTGTT
GGTATTATCCAAAGAGATGAGTCACCCATGGAAAAAGGGCTCTCTGGTCTACGAGGAAGGGACTTTGAG
CTGTCTGACGTGTTTTATTTCTCCAAGAAGGGATTGGAAGCCATTGTAGAAGATGAAGTGACCCAGAGG
TTTTCTCAGAGGAGCTAGTGTCTGGAATCTCCTCACAAGAACCAATGTAATTTCCAGTACATCAGT
CTGCGGCTCACTATGGTGTGGGTGCTGGGCGTCATAGTGCCTATTGTGTCTACTGCCTCTGAGGGTT
ACCTTGGCTTTCATTGGGATCAGTTTGCTGGTTATAGGAACTACACTGGTTGGGCAGCTGCCAGACAGC
AGCCTCAAAAAGTGGCTGAGTGAAGTGGTCCATCTGACTTGTCTGCCGGATCTGTGTGCGAGCCCTCTCT
GGTACCATTCAATTATCATAACAAGCAGTACAGACCCCAAGGGAGGCATTTGTGTTGCCAACCACTACT
TCCCCATTGATGTTTTAATCTTGACAACGGATGGATGTTATGCTATGGTTGGCCAGGTTTCATGGCGGC
TTGATGGGAATTATTCAGAGAGCTATGGTCAAGGCTTGCCTCATGTCTGGTTTGAACGCTCAGAAATG
AAGGATCGACACCTGGTTACTAAGAGACTAAAAGAACATATTGCTGATAAGAAGAACTACCCATACTA
ATTTTTCTGAAGAACTTGCATCAACAATACTCAGTCATGATGTTTTAAAAAGGGAGCTTTGAAATT
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ATGCCCCCATGACCAGAGAGGAAGGAGAAGATGCAGTCCAGTTTGCTAACAGGGTTAAGTCTGCTATT
GCTATACAAGGAGCCTGACTGAACTCCCTGGGATGGAGGACTAAAGAGAGCAAAGGTGAAGGACATC
TTTAAGGAAGAGCAGCAGAAAAATTACAGCAAGATGATTGTGGGCAATGGATCTCTCAGCTAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256422
Insert Size: 1305 bp



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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).
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_001256422.1
RefSeq Size:	2644 bp
RefSeq ORF:	1305 bp
Locus ID:	84803
UniProt ID:	Q53EU6
Cytogenetics:	4q21.23
Protein Families:	Transmembrane
MW:	48.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>