

Product datasheet for **SC305752**

MOGT1 (MOGAT1) (NM_058165) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOGT1 (MOGAT1) (NM_058165) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOGT1
Synonyms:	DGAT2L; DGAT2L1; MGAT1
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_058165 edited GGCCGCGAAGCAGAAGGGCCGTC AAGGCCACCATGAAGGTAGAGTTTGCACCGCTCAAC ATCCAGCTGGCGCGCGGCTGCAGACGGTGGCCGTGCTGCAGTGGTCTGAAATACCTG CTGCTCGGGCCGATGTCCATTGGAATCACTGTGATGCTGATCATACACAACATTTGTTC CTTTACATCCCTTATTTGATGTGGCTTTACTTTGACTGGCATAACCCAGAGCGAGGAGGC AGGAGATCCAGCTGGATCAAAAATTGGACTCTTTGAAACACTTTAAGGACTATTTTCCA ATTCATCTTATCAAACTCAAGATTTGGATCCAAGTCACAACATATATTTGGGTTTCCAC CCCCATGGAATAATGGCAGTTGGAGCCTTTGGGAATTTTCTGTAATTTCTGACTTC AAGGACCTGTTTCTGGCTTTACTTCATATCTTCACGTGCTGCCACTTTGGTTCTGGTGT CCTGTCTTTCGAGAATATGTGATGAGTGTGGGCTGGTTTCAGTTTCCAAGAAAAGTGTG TCCTACATGGTAAGCAAGGAGGGAGGTGAAACATCTCTGTCTTGTCCCTTGGGGTGCA AAAGAATCACTGGATGCTCATCCTGGAAAGTTCACCTGTTCATCCGCCAGCGGAAAGGA TTTGTTAAAATTGCTTTGACCCATGGCGCCTCTCTGGTCCAGTGGTTTCTTTTGGTGAA AATGAACTGTTTAAACAACTGACAACCCTGAAGGATCATGGATTAGAAGTGTTCAGAAT AACTGCAGAAGATCATGGGGTTTGCTTTGCCCTGTTTCATGCCAGGGGAGTTTTTCAG TACAATTTGGCCTAATGACCTATAGGAAAGCCATCCACACTGTTGTTGGCCGCCCGATC CCTGTTTCGTGAGACTCTGAACCCGACCCAGGAGCAGATTGAGGAGTTACATCAGACCTAT ATGGAGAACTTAGGAAATTTGTTGAGGAACACAAAGGAAAGTATGGCATTCCAGAGCAC GAGACTCTTGTTTAAAATAAGGCCTCATGGGCCAGCTTTCTTGATAC
Restriction Sites:	Please inquire
ACCN:	NM_058165
Insert Size:	1100 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_058165.1.
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:	<u>NM_058165.1</u> , <u>NP_477513.1</u>
RefSeq Size:	1093 bp
RefSeq ORF:	1005 bp
Locus ID:	116255
UniProt ID:	<u>Q96PD6</u>
Cytogenetics:	2q36.1
Protein Families:	Transmembrane
Gene Summary:	Acyl-CoA:monoacylglycerol acyltransferase (MOGAT; EC 2.3.1.22) catalyzes the synthesis of diacylglycerols, the precursor of physiologically important lipids such as triacylglycerol and phospholipids (Yen et al., 2002 [PubMed 12077311]).[supplied by OMIM, Mar 2008]