

Product datasheet for **SC128272**

MOGAT2 (NM_025098) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOGAT2 (NM_025098) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOGAT2
Synonyms:	DGAT2L5; DGAT2L5.; hDC5; MGAT2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_025098 edited
ATGGTAGAGTTCGCGCCCTTGTTTATGCCGTGGGAGCGCAGGCTGCAGACACTTGCTGTC
CTACAGTTTGTCTTCTCCTTCTTGGCACTGGCCGAGATCTGCACCTGTGGGCTTCATAGCC
CTCCTGTTTACAAGATTCTGGCTCCTCACTGTCTGTATGCGGCCTGGTGGTATCTGGAC
CGAGACAAGCCACGGCAGGGGGCCGGCACATCCAGGCCATCAGGTGCTGGACTATATGG
AAGTACATGAAGGACTATTTCCCATCTCGCTGGTCAAGACTGCTGAGCTGGACCCCTCT
CGGAACTACATTGCGGGCTTCCACCCCATGGAGTCTGGCAGTCGGAGCCTTTGCCAAC
CTGTGCACTGAGAGCACAGGCTTCTCTTCGATCTTCCCGGTATCCGCCCCATCTGATG
ATGCTGACCTTGTGGTCCGGGCCCCCTTCTTCAGAGATTACATCATGTCTGCAGGGTTG
GTCACATCAGAAAAGGAGAGTGCTGCTCACATTCTGAACAGGAAGGGTGGCGGAAACTTG
CTGGGCATCATTGTAGGGGTGCCAGGAGGCCCTGGATGCCAGGCTGGATCCTTCACG
CTGTTACTGCGGAACCGAAAGGGCTTCGTCAAGCTCGCCCTGACACACGGGGCACCCCTG
GTGCCAATCTTCTCCTTCGGGGAGAATGACCTATTTGACCAGATTCCCAACTCTTCTGGC
TCCTGGTTACGCTATATCCAGAATCGGTTGCAGAAGATCATGGGCATCTCCCTCCCACTC
TTTCATGGCCGTGGTGTCTTCCAGTACAGCTTTGGTTAATACCTACC GCCGGCCCATC
ACCACTGTGGTGGGAAGCCATCGAGGTACAGAAGACGCTGCATCCCTCGGAGGAGGAG
GTGAACCAGCTGCACCAGCGTTATCAAGAGCTGTGCAACCTTTCGAGGCCACAAA
CTTAAGTTCAACATCCCTGCTGACCAGCACTTGGAGTTCTGCTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_025098 unedited GGACCTTTGTATACGACTCCTATAGGGCGGCCGATATTCATGGTAGAGTTCGCGCCCT TGTTTATGCCGTGGGAGCGCAGGCTGCAGACACTTGCTGTCTACAGTTTGTCTTCTCT TCTTGGCACTGGCCGAGATCTGCACTGTGGCTTCATAGCCCTCTGTTTACAAGATTCT GGCTCCTCACTGTCTGTATGCGGCCTGGTGGTATCTGGACCGAGACAAGCCACGGCAGG GGGGCCGGCACATCCAGGCCATCAGGTGCTGGACTATATGGAAGTACATGAAGGACTATT TCCCCATCTCGTGGTCAAGACTGCTGAGCTGGACCCCTCTCGGAACACTACATTGCGGGCT TCCACCCCATGGAGTCCTGGCAGTCGGAGCCTTTGCCAACCTGTGCACTGAGAGCACAG GCTTCTTTCGATCTTCCCGGTATCCGCCCATCTGATGATGCTGACCTTGTGGTTCC GGGCCCCCTTCTCAGAGATTACATCATGTCTGCAGGGTTGGTCACATCAGAAAAGGAGA GTGCTGCTCACATTCTGAACAGGAAGGGTGGCGGAACTTGTGGGCATCATTGTAGGGG GTGCCAGGAGGCCCTGGATGCCAGGCCTGGATCCTTACGCTGTTACTGCGGAACCGAA AGGGCTTCGTAGGCTCGCCCTGACACACGGGGCACCCCTGGTCCAATCTTCTCCTTCG GGGAGAATGACCTATTTGACCAGATTCCCAACTCTTCTGGCTCCTGGTTACGCTATATCC AGAATCGGTTGCAGAGATCATGGGCATCTCCCTCCCACTTTTCATGGCCGTGGTGTCTC AGTACAGCTTTGGTTAATACCCTACCGCCGGCCATCACCCACTGTGGTGGGGGAGGCC CATCGAGGTACAGAAGAACGCTGCATTCCTCGGAGGGAGGAGGGTG
Restriction Sites:	Please inquire
ACCN:	NM_025098
Insert Size:	2900 bp
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_025098.2 , NP_079374.2
RefSeq Size:	1005 bp
RefSeq ORF:	1005 bp
Locus ID:	80168
UniProt ID:	Q3SYC2
Cytogenetics:	11q13.5
Domains:	DAGAT
Protein Families:	Transmembrane

Gene Summary:

The protein encoded by this gene is an enzyme that catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. The encoded protein is important in the uptake of dietary fat by the small intestine. This protein forms a complex with diacylglycerol O-acyltransferase 2 in the endoplasmic reticulum, and this complex catalyzes the synthesis of triacylglycerol. [provided by RefSeq, Dec 2015]