

Product datasheet for SC307140

MOGAT3 (NM_178176) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOGAT3 (NM_178176) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOGAT3
Synonyms:	DC7; DGAT2L2; MGAT3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_178176 edited ATGGGAGTTGCCACAACCCTGCAGCCCCCAACCACTTCCAAAACCTTGCAGAAGCAGCAT CTAGAAGCAGTGGGCGCCTACCAATATGTGCTCACTTTCTCTTCATGGGCCCTTTCTTC TCCCTTCTTGCTTTGTCTCTCTTACGTCACTCTGGCCCTTCTGTGTTTTTACTTG GTGTGGCTCTATGTGGAAGTGGGACACACCAACCAAGGTGGAAGGCGTTTCGGAGTGGATA AGGAACCGGGCAATTTGGAGACAATAAGGGATTATTATCCTGTCAAGCTGGTGAACA GCAGAGCTGCCCCGGATCGGAACACGTGCTGGGCGCCACCTCATGGGATCATGTGT ACAGGCTTCTCTGTAATTTCTCCACCGAGAGCAATGGCTTCTCCAGCTTCTCCGGGG CTCCGGCCCTGGTTAGCCGTGCTGGCTGGCCTCTTCTACCTCCCGGTCTATCGCGACTAC ATCATGTCCTTTGGACTCTGTCCGGTGAGCCGCCAGAGCCTGGACTTCATCCTGTCCAG CCCCAGCTCGGGCAGGCCGTGGTCATCATGGTGGGGGTGCGCACGAGGCCCTGTATTCA GTCCCCGGGGAGCACTGCCTTACGCTCCAGAAGCGCAAAGGCTTCGTGCGCCTGGCGCTG AGGCACGGGGCGTCCCTGGTGCCCGTGTACTCCTTTGGGAGAATGACATCTTTAGACTT AAGGCTTTTGGCAGAGCTCCTGGCAGCATTGGTGCCAGCTCACCTTCAAGAAGCTCATG GGCTTCTCTCCTTGATCTTCTGGGGTCGCGGTCTCTTCTCAGCCACCTCCTGGGGCCTG CTGCCCTTTGCTGTGCCCATCACCAGTGTGGTGGGCGCCCCATCCCCGTCCCCAGCGC CTCCACCCACCGAGGAGGAAGTCAATCACTATCACGCCCTCTACATGACGGCCCTGGAG CAGCTCTTCGAGGAGCACAAGGAAAGCTGTGGGGTCCCCGCTTCCACCTGCCTCACCTTC ATCTAG
Restriction Sites:	Please inquire
ACCN:	NM_178176
Insert Size:	1100 bp


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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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	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_178176.2 , NP_835470.1
RefSeq Size:	1420 bp
RefSeq ORF:	1026 bp
Locus ID:	346606
UniProt ID:	Q86VF5
Cytogenetics:	7q22.1
Protein Families:	Transmembrane
Gene Summary:	Acyl-CoA:monoacylglycerol acyltransferase (MOGAT; EC 2.3.1.22) catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA (Cheng et al., 2003 [PubMed 12618427]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).