

Product datasheet for SC317514

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:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317514 representing NM_058165. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAAGGTAGAGTTTGCACCGCTCAACATCCAGCTGGCGCGGGCTGCAGACGGTGGCCGTGCTGCAG
TGGGTCTGAAATACCTGCTGCTCGGGCCGATGCCATTGGAATCACTGTGATGCTGATCATACACAAC
TATTTGTTCCCTTACATCCCTTATTTGATGTGGCTTTACTTTGACTGGCATACCCAGAGCGAGGAGGC
AGGAGATCCAGCTGGATCAAAAATTGGACTCTTTGGAAACTTTAAGGACTATTTCCAATTCATCTT
ATCAAACTCAAGATTTGGATCCAAGTCAAACTATATATTTGGTTTCACCCCATGGAATAATGGCA
GTTGGAGCCTTTGGGAATTTTCTGTAATTTCTGACTTCAAGGACCTGTTTCTGGCTTTACTTCA
TATCTTCACGTGCTGCCACTTTGGTTCTGGTGTCTGCTTTGAGAATATGTGATGAGTGTGGGCTG
GTTTCAGTTTCCAAGAAAAGTGTGCTTACATGGTAAGCAAGGAGGAGGTGGAACATCTCTGTCATT
GTCCTTGGGGGTGAAAAGAATCACTGGATGCTCATCCTGAAAAGTTCACTCTGTTTCATCCGCCAGCGG
AAAGGATTTGTTAAAATGCTTTGACCCATGGCGCCTCTCTGGTCCCAGTGGTTTCTTTGGTAAAAT
GAAGTGTTTAAACAACTGACAACCCTGAAGGATCATGGATTAGAAGTGTTCAGAATAAACTGCAGAAG
ATCATGGGTTTGCTTTGCCCTGTTTCATGCCAGGGAGTTTTTCAGTACAATTTGGCCTAATGACC
TATAGGAAAGCCATCCACTGTTGTTGGCCCGCCGATCCCTGTTGCTGAGACTGAACCCGACCCAG
GAGCAGATTGAGGAGTTACATCAGACCTATATGGAGAACTTAGGAAATGTTTGAGGAACACAAAGGA
AAGTATGGCATTCCAGAGCACGAGACTTTGTTTTAAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_058165
Insert Size:	1008 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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_058165.2
RefSeq Size:	1096 bp
RefSeq ORF:	1008 bp
Locus ID:	116255
UniProt ID:	Q96PD6
Cytogenetics:	2q36.1
Protein Families:	Transmembrane
MW:	38.8 kDa
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]