

Product datasheet for **SC315783**

MBOAT1 (NM_001080480) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MBOAT1 (NM_001080480) Human Untagged Clone
Tag: Tag Free
Symbol: MBOAT1
Synonyms: dj434O11.1; LPEAT1; LPLAT; LPLAT 1; LPSAT; OACT1
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001080480 edited
 ATGGCAGCAGAGCCGAGCCGTCAGCCTTTCTACCGACCACGGGCTCCACCTACCTG
 CACCCGCTCAGCGAGCTCCTGGGCATCCCGCTGGACCAGGTGAATTTGTGGTATGCCAG
 CTGTGTGCTCTGTTTGTGCTTTTCTGGTTTCGCATCTACTTACGCTCCTGGTACAACCAGC
 TCTGATGTCCGGCATGCGGTTGCCACCATTTTTGGCATCTATTTTGCATCTTTTGTTC
 GGCTGGTACTCTGTGCATCTTTTGTGCTGGTGAATGTGCTATGCAATCATGGTCACT
 GCTAGTGTATCCAATATTCACAGATATTCCTTTTTGTAGCAATGGGATATCTTACAATA
 TGCCACATCAGCCGAATATACATCTTCCACTATGGAATTCTCACTACGGATTTTTCTGGG
 CCTCTGATGATTGCTCACTCAGAAGATCACAACCTTGGCATTCCAGGTTTCATGATGGATTA
 GGTCGAAGAGCTGAAGACCTTTCTGCTGAACAACATCGACTTGCTATCAAAGTGAACCC
 TCTTTTTTGAATACTTAAGTTACCTTCTCAATTTTCATGAGTGCATAGCTGGTCCTTGT
 AACAAATTTCAAGGACTACATAGCCTTCATTGAGGGGAAGCATATACACATGAAGTTGCTG
 GAGGTGAAGTGAAGCGAAAAGTTTCCACAGCTTGCCAGAACCCTTCTCCACAGGAGCT
 GTGATACACAAGTTGGGCATCACCTTGGTGTCTCTCTTTTGTGTTTGTGACGCTAACGAAG
 ACCTTTCTGTCACTGCCTTGTGGATGACTGGTTTGTCCATAAAGCAAGCTTTCCGGCT
 CGACTCTGCTACTTATATGTTGTCATGCAAGCCTCAAAGCCCAAGTATTACTTTGCATGG
 GGAATTTCTGTTGGGATCTGCTTTTGAACCTAAACATCTGGAATAATTGAGACTGCCACA
 AGTTTCAAAATGTACTTGGAAAACCTGGAATATTCAGACAGCTACTTGGCTAAAGTGTGTG
 TGCTATCAGCGGTTCCATGGTACCCACGGTGCTAACCTTCATCCTGTCTGCTTTGTGG
 CATGGTGTCTACCTGGATACTATTTTACCTTCTTAACTGGAATTCTTGTACATTAGCA
 GCTAGAGCGGTCAGGAACAACACTACAGACATTACTTCTTTTCTTCAAGAGCTCTCAAGCT
 GTGTATGATGCAGGCACCTGGGCCGTCCTCAGCTGGCTGTCTTACACGGTAGCACCC
 TTTGTGATGTTGGCAGTTGAACCGACCATCAGCTTATACAAGTCCATGTACTTTTATTTG
 CACATCATAAGTCTCCTGATAATACTATTTCTGCCAATGAAACCACAAGCTCATAACGCAA
 AGCGGCCTCAGACTCTGAACCTATTAATAAGAGAAAAACAGATTGA



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Restriction Sites:	Please inquire
ACCN:	NM_001080480
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 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:	<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_001080480.1</u> , <u>NP_001073949.1</u>
RefSeq Size:	3275 bp
RefSeq ORF:	1488 bp
Locus ID:	154141
UniProt ID:	<u>Q6ZNC8</u>
Cytogenetics:	6p22.3
Protein Families:	Transmembrane
Gene Summary:	<p>This gene belongs to the membrane-bound O-acetyltransferase superfamily. The encoded transmembrane protein is an enzyme that transfers organic compounds, preferably from oleoyl-CoA, to hydroxyl groups of protein targets in membranes. A translocation disrupting this gene may be associated with brachydactyly syndactyly syndrome. Alternately spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the supported 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>