

Product datasheet for **SC301790**

DGAT2L3 (AWAT1) (NM_001013579) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGAT2L3 (AWAT1) (NM_001013579) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGAT2L3
Synonyms:	DGA2; DGAT2L3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001013579 edited <pre> GTTCTGAGACTCTTTGCCTCCCTCAGGCTCCCAGAGAATCATGGCTCATTCCAAGCAGCCT AGTCACCTCCAGAGTCTGATGCTTCTGCAGTGGCCTTTGAGCTACCTTGCCATCTTTTGG ATCTTGCAGCCATTGTTTCTGCTACCTGCTGTTTACATCCTTGTGGCCGCTACCAAGTCTT TACTTTGCCTGGTTGTTTCTGGACTGGAAGACCCAGAGCGAGGTGGCAGGCGTTTCGGCC TGGGTAAGGAAGTGGTGTCTGGACCCACATCAGGGACTATTTCCCATTACGATCCTG AAGACAAAGGACCTATCACCTGAGCACAACTACCTCATGGGGTTTCACCCCATGGCCTC CTGACCTTTGGCGCCTTCTGCAACTTCTGCACTGAGGCCACAGGCTTCTCGAAGACCTTC CCAGGCATCACTCCTCACTTGGCCACGCTGCTCCTGGTTCTTCAAGATCCCCTTTGTTAGG GAGTACCTCATGGCCAAAGGTGTGTGCTCTGTGAGCCAGCCAGCCATCAACTATCTGCTG AGCCATGGCACTGGCAACCTCGTGGGCATTGTAGTGGGAGGTGTGGGTGAGGCCCTGCAA AGTGTGCCCAACACCACCACCTCATCCTCCAGAAGCGCAAGGGGTTTCGTGCGCAGAGCC CTCCAGCATGGGGCTCATCTGGTCCCCACCTTCACTTTTGGGGAAACTGAGGTGTATGAT CAGGTGCTGTTCCATAAGGATAGCAGGATGTACAAGTTCAGAGCTGCTTCCGCCGTATC TTTGGTTTCTACTGTTGTGCTTCTATGGACAAAGCTTCTGTCAAGGCTCCACTGGGCTC CTGCCATACTCCAGGCCTATTGTCACTGTGTTGGGGAGCCTCTGCCACTGCCCAAATT GAAAAGCCAAGCCAGGAGATGGTGGACAAATACCATGCACTTTATATGGATGCTCTGCAC AACTGTTTCGACCAGCATAAGACCCACTATGGCTGCTCAGAGACCCAAAAGCTGTTTTTC CTGTGAATGAAGGTACTGCATGCC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001013579
Insert Size:	1000 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 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:	<u>NM_001013579.1</u> , <u>NP_001013597.1</u>
RefSeq Size:	987 bp
RefSeq ORF:	987 bp
Locus ID:	158833
UniProt ID:	<u>Q58HT5</u>
Cytogenetics:	Xq13.1
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene belongs to the diacylglycerol acyltransferase family. It esterifies long chain (wax) alcohols with acyl-CoA-derived fatty acids to produce wax esters. Wax esters are enriched in sebum, suggesting that this enzyme plays a central role in lipid metabolism in skin. Consistent with this observation, this protein is predominantly expressed in the sebaceous gland of the skin. [provided by RefSeq, Sep 2009]