

Recombinant Human AWAT1 Protein, GST-tagged

Cat. No. AWAT1-5231H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DGAT2L3 full-length ORF (AA153035.1, 1 a.a. - 328 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	63.03 kDa
AA Sequence	MAHSKQPSHFQSLMLLQWPLSYLAIFWILQPLFVYLLFTSLWPLPVLYFAWLFLDWK TPERGGRSAWVRNWCVWTHIRDYFPITILKTKDLSPEHNYLMGVHPHGLLTFGAF CNFCTEATGFSKTFPGITPHLATLSWFFKIPFVREYLMAGVCSVSQPAINYLLSHGT GNLVGIVVGGVGEALQSVPNNTTLLILQKRKGFVRTALQHGAHLVPTFTFGETEVDQ VLFHKDSRMYKFQSCFRRIFGFYCCVFYQGQSGTGSTGLLPYSRPIVTVVGEPLPLP QIEKPSQEMVDKYHALYMDALHKLFDQHKTHYGCSETQKLFFL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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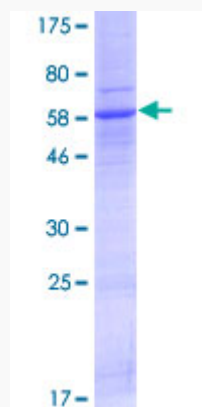
	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	AWAT1 acyl-CoA wax alcohol acyltransferase 1 [Homo sapiens (human)]
Official Symbol	AWAT1
Synonyms	DGAT2L3; AWAT1; acyl-CoA wax alcohol acyltransferase 1; DGA2; acyl-CoA wax alcohol acyltransferase 1; diacyl-glycerol acyltransferase 2; diacylglycerol O-acyltransferase 2-like 3; diacylglycerol O-acyltransferase 2-like protein 3; diacylglycerol acyltransferase 2; long-chain-alcohol O-fatty-acyltransferase 1; EC 2.3.1.75
Gene ID	158833
mRNA Refseq	NM_001013579
Protein Refseq	NP_001013597
MIM	300924
UniProt ID	Q58HT5

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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