

Recombinant Full Length Human AWAT1 Protein, GST-tagged

Cat. No. AWAT1-3868HF **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	In Vitro Cell Free System
ProteinLength	328 amino acids
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	MAHSAKQPSHFQSLMLLQWPLSYLAIFWILQPLFVYLLFTSLWPLPVLYFAWLFLDWK TPERGGRSAWVRNWCWVTHIRDYFPITILKTKDLSPEHNYLMGVHHPHGLLTFGAF CNFCTEATGFSKTFPGITPHLATLSWFFKIPFVREYLMAGVCSVSQPAINYLLSHGT GNLVGIVVGGVGEALQSVNNTTTLILQKRKGFVRTALQHGAHLVPTFTFGETEVYDQ VLFHKDSRMKYKFQSCFRRIFGFYCCVFYQSFQSGSTGLLPYSRPIVTVVGEPLPLP QIEKPSQEMVDKYHALYMDALHKLFDQHKTHYGCSETQKLFFL

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) 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

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UniProt ID

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