

Recombinant Human AWAT2 293 Cell Lysate

Cat. No. AWAT2-8555HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for acyl-CoA wax alcohol acyltransferase 2 (AWAT2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

AWAT2 acyl-CoA wax alcohol acyltransferase 2 [Homo sapiens]

Official Symbol

AWAT2

Synonyms

AWAT2; acyl-CoA wax alcohol acyltransferase 2; DGAT2L4, diacylglycerol O acyltransferase 2 like 4; MFAT; multifunctional O acyltransferase; multifunctional O-acyltransferase; diacylglycerol O-acyltransferase candidate 4; long-chain-alcohol O-fatty-acyltransferase 2; diacylglycerol O-acyltransferase 2-like protein 4; WS; DC4; DGAT2L4;

Gene ID

158835

mRNA Refseq

NM_001002254

Protein Refseq

NP_001002254

UniProt ID

Q6E213

Chromosome Location

Xq13.1

Pathway

Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem; Vitamin digestion and absorption, organism-specific biosystem; Vitamin digestion and absorption, conserved biosystem;

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Function

long-chain-alcohol O-fatty-acyltransferase activity; transferase activity, transferring acyl groups other than amino-acyl groups;

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