

Recombinant Human MOGAT2 293 Cell Lysate

Cat. No. MOGAT2-4258HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for monoacylglycerol O-acyltransferase 2 (MOGAT2) 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

MOGAT2 monoacylglycerol O-acyltransferase 2 [Homo sapiens]

Official Symbol

MOGAT2

Synonyms

MOGAT2; monoacylglycerol O-acyltransferase 2; 2-acylglycerol O-acyltransferase 2; DGAT2L5; FLJ22644; MGAT2; hDC5; hMGAT2; acyl CoA:monoacylglycerol acyltransferase 2; acyl-CoA:monoacylglycerol acyltransferase 2; diacylglycerol O-acyltransferase candidate 5; diacylglycerol acyltransferase 2-like protein 5; MGC119183; MGC119184; MGC119185;

Gene ID

80168

mRNA Refseq

NM_025098

Protein Refseq

NP_079374

MIM

610270

UniProt ID

Q3SYC2

**Chromosome
Location**

11q13.5

Pathway

Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Triacylglyceride Synthesis, organism-specific

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biosystem;

Function

2-acylglycerol O-acyltransferase activity; acetyltransferase activity;

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