Recombinant Human MOGAT3 293 Cell Lysate

Cat. No. MOGAT3-4257HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for monoacylglycerol O-acyltransferase 3 (MOGAT3) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	MOGAT3 monoacylglycerol O-acyltransferase 3 [Homo sapiens]
Official Symbol	MOGAT3
Synonyms	MOGAT3; monoacylglycerol O-acyltransferase 3; 2-acylglycerol O-acyltransferase 3; DC7; DGAT2L7; hDC7; acyl-CoA:monoacylglycerol acyltransferase 3; diacylglycerol O-acyltransferase candidate 7; diacylglycerol acyltransferase 2-like protein 7; acyl coenzyme A:monoacylglycerol acyltransferase 3; MGAT3; MGC119203; MGC119204;
Gene ID	346606
mRNA Refseq	NM_178176
Protein Refseq	NP_835470
MIM	610184
UniProt ID	Q86VF5
Chromosome Location	7q22
Pathway	Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Glycerolipid metabolism, organism-specific

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	biosystem; Glycerolipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Triacylglyceride Synthesis, organism-specific biosystem; Triacylglycerol biosynthesis, organism-specific biosystem;
Function	2-acylglycerol O-acyltransferase activity; diacylglycerol O-acyltransferase activity; transferase activity, transferring acyl groups other than amino-acyl groups;

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