

Recombinant Full Length Human MOGAT2 Protein, GST-tagged

Cat. No. MOGAT2-6304HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MOGAT2 full-length ORF (AAI03879.1, 1 a.a. - 284 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	284 amino acids
Description	Dietary fat absorption from the small intestine is facilitated by acyl-CoA:monoacylglycerol transferase (MOGAT; EC 2.3.1.22) and acyl-CoA:diacylglycerol acyltransferase (DGAT; see MIM 604900) activities. MOGAT catalyzes the joining of monoacylglycerol and fatty acyl-CoAs to form diacylglycerol (Yen and Farese, 2003 [PubMed 12621063]).[supplied by OMIM
Molecular Mass	58.7 kDa
AA Sequence	MVEFAPLPMPWERRLQTLAVLQFVFSFLALAEICTVGFIALLFTRFWLLTVLYAAWWY LDRDKPRQGGRHIQAIRCWTIWKYMKDYPISLVKTAELDPSRNYIAGFHPHGVLAV GAFANLCTESTGFSSIFPGIRPHLMMLTLWFRAPFFRDYIMSAGLVTSEKESAAILN RKGGGNLLGIIVGGAQEALDARPGSFTLLLRNRKGFVRLALTHGYQASGKSTLGSVG NWQGFYFGGKMAETNADSILVEIFSPFTIKIIFWCLMPKYLEKFPQRRLSDLRN
Applications	Enzyme-linked Immunoabsorbent Assay

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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 [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](#)

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