

Recombinant Human MOGAT2 Protein, His-tagged

Cat. No. MOGAT2-2453H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MOGAT2 Protein (Leu48-Gly217) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu48-Gly217
Description	The protein encoded by this gene is an enzyme that catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. The encoded protein is important in the uptake of dietary fat by the small intestine. This protein forms a complex with diacylglycerol O-acyltransferase 2 in the endoplasmic reticulum, and this complex catalyzes the synthesis of triacylglycerol.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.8 kDa Accurate Molecular Mass: 22 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MOGAT2 monoacylglycerol O-acyltransferase 2 [Homo sapiens (human)]
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

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UniProt ID

Q3SYC2

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