

Recombinant Human DGAT1, GST-tagged

Cat. No. DGAT1-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DGAT1 n was expressed as gst-tagged fusion protein by E.Coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	False
Description	This gene encodes an multipass transmembrane protein that functions as a key metabolic enzyme. The encoded protein catalyzes the conversion of diacylglycerol and fatty acyl CoA to triacylglycerol. This enzyme can also transfer acyl CoA to retinol. Activity of this protein may be associated with obesity and other metabolic diseases.
Storage	The protein is stored in PBS buffer at -20 oC. . Repeated freeze-thaw cycles should be avoided.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	DGAT1 diacylglycerol O-acyltransferase 1 [Homo sapiens]
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Official Symbol	DGAT1
Synonyms	DGAT1; diacylglycerol O-acyltransferase 1; diacylglycerol O acyltransferase homolog 1 (mouse); ARGP1; DGAT; ACAT related gene product 1; ACAT-related gene product 1; diglyceride acyltransferase; diacylglycerol O-acyltransferase homolog 1; acyl coenzyme A:cholesterol acyltransferase related gene 1
Gene ID	8694
mRNA Refseq	NM_012079
Protein Refseq	NP_036211
MIM	604900
UniProt ID	O75907
Chromosome Location	8q24.3
Pathway	Fat digestion and absorption; Fatty acid, triacylglycerol, and ketone body metabolism; Glycerolipid metabolism
Function	diacylglycerol O-acyltransferase activity; protein binding; retinol O-fatty-acyltransferase activity; transferase activity, transferring acyl groups