

Recombinant Human DGAT1 protein, His-tagged

Cat. No. DGAT1-1652H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DGAT1 aa. (Ala180~Arg427) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala180~Arg427
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.
Form	Freeze-dried powder
Molecular Mass	27kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>98%
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	10

GENE INFORMATION

Gene Name	DGAT1 diacylglycerol O-acyltransferase 1 [Homo sapiens (human)]
Official Symbol	DGAT1
Synonyms	DGAT1; diacylglycerol O-acyltransferase 1; ARAT; DGAT; ARGP1; DIAR7; ACAT related gene product 1; acyl coenzyme A:cholesterol acyltransferase related gene 1; acyl-CoA retinol O-fatty-acyltransferase; acyl-CoA:diacylglycerol acyltransferase; diacylglycerol O-acyltransferase homolog; diglyceride acyltransferase
Gene ID	8694

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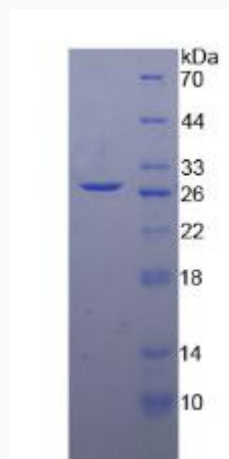
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mRNA Refseq NM_012079.5

Protein Refseq NP_036211.2

UniProt ID O75907

SDS-PAGE



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