

Recombinant Human DGAT2, GST-tagged

Cat. No. DGAT2-27398H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DGAT2 (289 a.a. - 388 a.a.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	This gene encodes one of two enzymes which catalyzes the final reaction in the synthesis of triglycerides in which diacylglycerol is covalently bound to long chain fatty acyl-CoAs. The encoded protein catalyzes this reaction at low concentrations of magnesium chloride while the other enzyme has high activity at high concentrations of magnesium chloride. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	36.74 kDa
Sequence	IFEEGSWGRWVQKKFQKYIGFAPCIFHGRGLFSSDTWGLVPYSKPITTVVGEPITIPK LEHPTQQDIDLYHTMYMEALVKLFDKHKTKFGLPETEVLEVN
Storagebuffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Applications	ELISA; WB
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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OfficialSymbol DGAT2

GENE INFORMATION

Gene Name DGAT2 diacylglycerol O-acyltransferase 2 [Homo sapiens]

Synonyms DGAT2; diacylglycerol O-acyltransferase 2; ARAT; HMFN1045; GS1999FULL; diglyceride acyltransferase 2; retinol O-fatty-acyltransferase; acyl-CoA retinol O-fatty-acyltransferase; diacylglycerol O-acyltransferase homolog 2; diacylglycerol O-acyltransferase-like protein 2; EC 2.3.1.20; EC 2.3.1.76

Gene ID 84649

mRNA Refseq NM_032564

Protein Refseq NP_115953

MIM 606983

UniProt ID Q96PD7

Chromosome Location 11q13.5

Pathway Fat digestion and absorption; Fatty acid, triacylglycerol, and ketone body metabolism; Glycerolipid metabolism

Function 2-acylglycerol O-acyltransferase activity; diacylglycerol O-acyltransferase activity; protein homodimerization activity; retinol O-fatty-acyltransferase activity

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