

Recombinant Human DGAT2 293 Cell Lysate

Cat. No. DGAT2-6965HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for diacylglycerol O-acyltransferase homolog 2 (mouse) (DGAT2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

DGAT2 diacylglycerol O-acyltransferase 2 [Homo sapiens]

Official Symbol

DGAT2

Synonyms

DGAT2; diacylglycerol O-acyltransferase 2; diacylglycerol O acyltransferase homolog 2 (mouse); diglyceride acyltransferase 2; diacylglycerol O-acyltransferase homolog 2; diacylglycerol O-acyltransferase-like protein 2; HMFN1045; GS1999FULL; DKFZp686A15125;

Gene ID

84649

mRNA Refseq

NM_001253891

Protein Refseq

NP_001240820

MIM

606983

UniProt ID

Q96PD7

Chromosome Location

11q13.3

Pathway

Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Glycerolipid metabolism, organism-specific

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biosystem; Glycerolipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;

Function

2-acylglycerol O-acyltransferase activity; diacylglycerol O-acyltransferase activity; protein homodimerization activity; transferase activity, transferring acyl groups other than amino-acyl groups;

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