

Human DGAT1 Knockdown Cell Lysate

Cat. No. DGAT1-480HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated DGAT1 Knockdown HT-1080 Cell Lysate
Species	Human
Source	HT-1080
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	Cell-Tissue Lysis buffer
Molecular Mass	55 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg DGAT1 KD HT-1080 cell lysate
Protein Families	Transmembrane
Protein Pathways	Glycerolipid metabolism, Metabolic pathways, Retinol metabolism
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	DGAT1 diacylglycerol O-acyltransferase 1 [Homo sapiens (human)]
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

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