

Diacylglycerol-O-Acyltransferase Homolog 1 (DGAT1) Recombinant Protein | DGAT1 recombinant protein

Recombinant Diacylglycerol-O-Acyltransferase Homolog 1 (DGAT1)

CATALOG # AAA134301	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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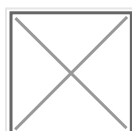
PRODUCT SYNONYMS

Diacylglycerol-O-Acyltransferase Homolog 1 (DGAT1); Recombinant Diacylglycerol-O-Acyltransferase Homolog 1 (DGAT1); DGAT1 recombinant protein

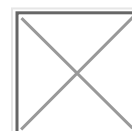
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His -Tag, its sequence is listed below. MGHHHH HHSSEF-AA VVLLVESITP VGSLLALMAH TILFLKLSY RDVNSWCRR RAKAASAGKK ASSAAPHTV SYPDNLT YRD LYYFLFAPTL CYELNFRSP RIRKRFLRR ILEMLFFTQL QVGLIQWMV PTIQNSMKPF KDMDYSRIE RLLKLAVPNH LIWLIFFYWL FHSCLNAVAE LMQFGDREFY RDWWNSESVT YFWQNWNPV HKWCIRHFYK PMLRRGSSKW MARTGVFLAS AFFHEYLVSV PLRMFR
Sequence Length	488
Applicable Applications for DGAT1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Ala180~Arg427 (Accession # O75907) with N-terminal His-Tag
Subcellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	10
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	145864459
NCBI GeneID	8694
NCBI Accession #	NP_036211.2
NCBI GenBank Nucleotide #	NM_012079.5
UniProt Accession #	O75907; Q96BB8; B2RWQ2; D3DWL6
Molecular Weight	31.1kDa
NCBI Official Full Name	diacylglycerol O-acyltransferase 1
NCBI Official Synonym Full Names	diacylglycerol O-acyltransferase 1
NCBI Official Symbol	DGAT1
NCBI Official Synonym Symbols	ARAT; DGAT; ARGP1
NCBI Protein Information	diacylglycerol O-acyltransferase 1; ACAT related gene product 1; diglyceride acyltransferase; retinol O-fatty-acyltransferase; acyl-CoA:diacylglycerol acyltransferase; acyl-CoA retinol O-fatty-acyltransferase; acyl coenzyme A:cholesterol acyltransferase related gene 1
UniProt Protein Name	Diacylglycerol O-acyltransferase 1
UniProt Gene Name	DGAT1
UniProt Synonym Gene Names	AGRP1; DGAT; ARAT; Retinol O-fatty-acyltransferase
UniProt Entry Name	DGAT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dgat1-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134301>