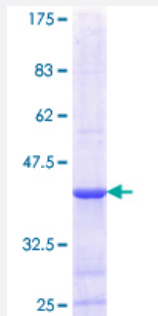


DGAT2 (Human) Recombinant Protein (Q01)

Catalog # H00084649-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DGAT2 partial ORF (NP_115953.2, 289 a.a. - 388 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IFEEGSWGRWVQKKFQKYIGFAPCIFHGRGLFSSDTWGLVPYSKPITTVVGEPITIPKLEHPTQQDI DLYHTMYMEALVKLFDKHKTGFGLPETEVLEVN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (96); Rat (97)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DGAT2

Entrez GeneID	84649
GeneBank Accession#	NM_032564
Protein Accession#	NP_115953.2
Gene Name	DGAT2
Gene Alias	DKFZp686A15125, HMFN1045
Gene Description	diacylglycerol O-acyltransferase homolog 2 (mouse)
Omim ID	606983
Gene Ontology	Hyperlink
Gene Summary	Acyl-CoA:diacylglycerol acyltransferase, or DGAT (EC 2.3.1.20), is responsible for the synthesis of triglycerides. It catalyzes a reaction in which diacylglycerol is covalently joined to long chain fatty acyl-CoAs.[supplied by OMIM]
Other Designations	GS1999full diacylglycerol O-acyltransferase homolog 2 diacylglycerol O-acyltransferase-like protein 2

Pathway

- [Glycerolipid metabolism](#)
- [Metabolic pathways](#)
- [Retinol metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)