

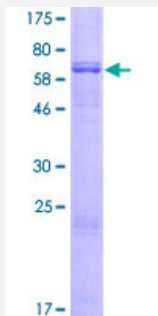
Full-Length

DGAT2 (Human) Recombinant Protein (P01)

Catalog # H00084649-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DGAT2 full-length ORF (NP_115953.2, 1 a.a. - 388 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKTLIAAYSGVLRGERQAEADRSQRSHGGPALSREGSGRWGTGSSILSALQDLFSVTWLNRSKV
EKQLQVISVLQWVLSFLVLGVACSAILMYIFCTDCWLI AVLFTWLVFDWNTPKKGRRSQWVRN
WAVWRYFRDYFPIQLVKTHNLLTTRNYIFGYHPHGIMGLGAF CNFSTEATEVSKKFPGIRPYLATLA
GNFRMPVLR EYLMMSGGICPVSRDTIDYLLSKNGSGNAIIIVGGAAESLSSMPGKNAVTLRNRKGF
VKLALRHGADLVPYSFGENEVYKQVIFEEGSWGRWVQKKFQKYIGFAPCIFHGRGLFSSDTWGL
VPYSKPITTVGEPITIPKLEHPTQQDIDL YHTMYMEALVKLFDKHKTKFGLPETEVLEVN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.2

Interspecies Antigen Sequence

Mouse (95); Rat (95)

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_032564.2](#)**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](#)