

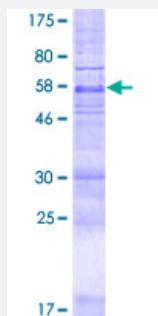
Full-Length

MBOAT1 (Human) Recombinant Protein (P01)

Catalog # H00154141-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MBOAT1 full-length ORF (AAH45695.1, 1 a.a. - 371 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAEPQPSSLSYRTTGSTYLHPLSELLGIPLDQVNFVVCQLVALFAAFWFRMYLRPGTTSSDVRHA
VATIFGYFVIFCFGWYSVHLFVLVLMCYAIMVTASVSNHRYSFVAMGYLTICHISRMFHYGILTTDF
SGPLMIVTQKITTLAFQVHDGLGRRRAEDLSAEQHRLAIKVKPSFLEYLSYLLNFMSVIAGPCNNFKD
YAFIEGKHHMKLLEVNWKRKGFHSLPEPSPTGAVIHKLGITLVSLLLFLTTLTKTFPVTCLVDDWFV
HKASFPARLCYLYVVMQASKPKYYFAWTLADAVNNAAGFGFSGVDKNGNFCWDLLSNLNWKIE
TATSFKMYLENWNIQTATWLKVCYQRVHGTPRC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.6

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 — MBOAT1

Entrez GeneID [154141](#)

GeneBank Accession# [BC045695.1](#)

Protein Accession# [AAH45695.1](#)

Gene Name MBOAT1

Gene Alias LPEAT1, MGC44669, OACT1, dJ434O11.1

Gene Description membrane bound O-acyltransferase domain containing 1

Gene Ontology [Hyperlink](#)

Gene Summary MBOAT1 shares structural similarity with a superfamily of membrane-bound O-acetyltransferases that transfer organic compounds, usually fatty acids (e.g., cholesterol, diacylglycerol, palmitoyl), on to hydroxyl groups of membrane-embedded targets (Dauwerse et al., 2007 [PubMed 17440500]). [supplied by OMIM]

Other Designations O-acyltransferase (membrane bound) domain containing 1|OTTHUMP00000016082|lysophosphatidylethanolamine acyltransferase 1|lysophospholipid acyltransferase