

Recombinant Mouse Mboat7 Protein, Myc/DDK-tagged

Cat. No. Mboat7-3984M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length membrane bound O-acyltransferase domain containing 7 (Mboat7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acyltransferase which catalyzes the transfer of an acyl group from an acyl-CoA to a lysophosphatidylinositol (1-acylglycerophosphatidylinositol or LPI) leading to the production of a phosphatidylinositol (1,2-diacyl-sn-glycero-3-phosphoinositol or PI) and participates in the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle. Prefers arachidonoyl-CoA as the acyl donor, thus contributing to the regulation of free levels arachidonic acid in cell. In liver, participates in the regulation of triglyceride metabolism through the phosphatidylinositol acyl-chain remodeling regulation
Molecular Mass	53.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mboat7 membrane bound O-acyltransferase domain containing 7 [Mus musculus (house mouse)]

Official Symbol Mboat7

Synonyms MBOAT7; membrane bound O-acyltransferase domain containing 7; lysophospholipid acyltransferase 7; LPLAT 7; m-mboa-7; leukocyte receptor cluster member 4; lysophosphatidylinositol acyltransferase; leukocyte receptor cluster (LRC) member 4; O-acyltransferase domain-containing protein 7; bladder and breast carcinoma-overexpressed gene 1 protein; membrane-bound O-acyltransferase domain-containing protein 7; BB1; mBB1; Leng4; Lpiat; 5730589L02Rik

Gene ID 77582

mRNA Refseq NM_029934

Protein Refseq NP_084210

UniProt ID Q8CHK3

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