

Recombinant Human MBOAT7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MBOAT7-2941H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MBOAT7 MS Standard C13 and N15-labeled recombinant protein (NP_077274) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the membrane-bound O-acyltransferases family of integral membrane proteins that have acyltransferase activity. The encoded protein is a lysophosphatidylinositol acyltransferase that has specificity for arachidonoyl-CoA as an acyl donor. This protein is involved in the reacylation of phospholipids as part of the phospholipid remodeling pathway known as the Land cycle. Alternative splicing results in multiple transcript variants.
Molecular Mass	52.8 kDa
AA Sequence	MSPEEWTYLVLLISIPIGFLFKKAGPGLKRWGAAVGLGLTLFTCGPHTLHSLVTILG TWALIQAQPCSCHALALAWTFSYLLFFRALSLLGLPTPTPFTNAVQLLLTLKLVSLASE VQDLHLAQRKEMASGFSKGPTLGLLPDVPSLMETLSYSYCYVGIMTGPFPRYRYYL DWLEQPFPGAVPSLRPLLRRAWPAPLFGLLFLLSSHLPLEAVREDAFYARPLPARL FYMIPVFFAFRMRFYVAWIAAECGCIAAGFGAYPVAAKARAGGGPTLQCPPPSPE KAASLEYDYETIRNIDCYSTDFCVRVRDGMRYWNMTVQWWLAQYIYKSAPARSYVL RSAWTMLLSAYWHGLHPGYYLSFLTIPLCIAAEGRLSALRGRSLSPGGQKAWDWV

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HWFLKMRAYDYMCMGFVLLSLADTLRYWASIYFCIHFLALAALGLGLALGGGSPSRR
KAASQPTSLAPEKLREETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MBOAT7 membrane bound O-acyltransferase domain containing 7 [Homo sapiens (human)]

Official Symbol MBOAT7

Synonyms MBOAT7; membrane bound O-acyltransferase domain containing 7; LENG4, leukocyte receptor cluster (LRC) member 4; lysophospholipid acyltransferase 7; BB1; hMBOA 7; LPIAT; lysophosphatidylinositol acyltransferase; LPLAT 7; h-mboa-7; lyso-PI acyltransferase; leukocyte receptor cluster member 4; leukocyte receptor cluster (LRC) member 4; O-acyltransferase domain-containing protein 7; 1-acylglycerophosphatidylinositol O-acyltransferase; bladder and breast carcinoma-overexpressed gene 1 protein; membrane-bound O-acyltransferase domain-containing protein 7; malignant cell expression-enhanced gene/tumor progression-enhanced; LRC4; LENG4; MBOA7; OACT7; hMBOA-7; FLJ41296;

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Gene ID	79143
mRNA Refseq	NM_024298
Protein Refseq	NP_077274
MIM	606048
UniProt ID	Q96N66
SDS-PAGE	