

Recombinant Full Length Human MBOAT7 Protein, C-Flag-tagged

Cat. No. MBOAT7-2027HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MBOAT7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	52.6 kDa
AA Sequence	MSPEEWTYLVLLISIPIGFLFKKAGPGLKRWGAAVGLGLTLFTCGPHTLHSLVTILG TWALIQAQPCS CHALALAWTFSYLLFFRALSLLGLPTPTPFTNAVQLLLTLKLVSLAS EVQDLHLAQRKEMASGFSKGPTL GLLPDVPSLMETLSYSYCYVGIMTGPFPRYRTY LDWLEQPFPGAVPSLRPLLRRWPAPLFGLLFLLSSH LFPLEAVREDAFYARPLPAR LFYMIPVFFAFRMRFYVAWIAAECGCIAAGFGAYPVAAKARAGGGPTLQC PPPSSP EKAASLEYDYETIRNIDCYSTDFCVRVRDGMRYWNMTVQWWLAQYIYKSAPARSYV

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LRSAWTML LSAYWHGLHPGYLLSFLTIPLCLAAEGRLESALRGRLSPGGQKAWDW
VHWFLKMRAYDYMCMGFVLLSLA DTLRYWASIYFCIHFLALAALGLGLALGGGSPS
RRKAASQPTSLAPEKLREE TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Full Length	Full L.

GENE INFORMATION

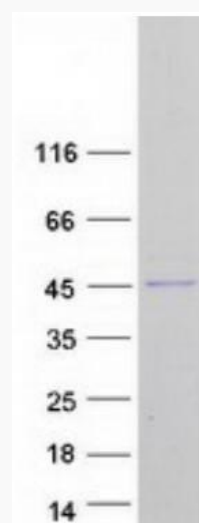
Gene Name	MBOAT7 membrane bound O-acyltransferase domain containing 7 [Homo sapiens (human)]
Official Symbol	MBOAT7
Synonyms	BB1; LRC4; LENG4; LPIAT; LPLAT; MBOA7; MRT57; OACT7; LPIAT1; LPLAT11; hMBOA-7
Gene ID	79143

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mRNA Refseq	NM_024298.5
Protein Refseq	NP_077274.3
MIM	606048
UniProt ID	Q96N66



Coomassie blue staining of purified MBOAT7 protein.