

Product datasheet for TP301320L

LENG4 (MBOAT7) (NM_024298) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human membrane bound O-acyltransferase domain containing 7 (MBOAT7), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201320 protein sequence Red=Cloning site Green=Tags(s)

MSPEEWTYLWLLISIPIGFLFKKAGPGLKRWGAAAVGLGLTLFTCGPHTLHSLVTILGTWALIQAQPCS
CHALALAWTFSYLLFFRALSLLGLPTPTPFTNAVQLLLTLKLVSLASEVQDLHLAQRKEMASGFSGKPTL
GLLPDVPSLMETLSYSYCYVGIMTGPFPRYRXYLDWLEQPFPGAVPSLRPLLRRRAWPAPLFGLLFLLSSH
LFPLEAVREDAFYARPLPARLFYMIPVFFAFRMRFYVAWIAAECGCIAGFGAYPVAAKARAGGGPTLQC
PPPSSPEKAASLEYDYETIRNIDCYSTDFCVRVRDGMRYWNMTVQWWLAQYIYKSAPARSYVLRSAWTML
LSAYWHGLHPGYLSFLTIPLCCLAAEGRLESALRGRSPGGQKAWDWWHWFLKMRAYDYMCMGFVLLSLA
DTLRYWASIYFCIHFLAALGLGLALGGGSPSRKAASQPTSLAPEKREE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	52.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_077274](#)

Locus ID: 79143

UniProt ID: [Q96N66](#)

RefSeq Size: 2616

Cytogenetics: 19q13.42

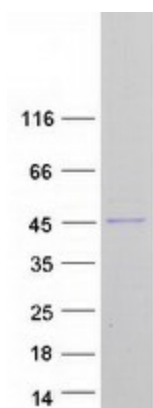
RefSeq ORF: 1416

Synonyms: BB1; hMBOA-7; LENG4; LPIAT; LPLAT; LRC4; MBOA7; MRT57; OACT7

Summary: 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. [provided by RefSeq, Mar 2009]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified MBOAT7 protein (Cat# [TP301320]). The protein was produced from HEK293T cells transfected with MBOAT7 cDNA clone (Cat# [RC201320]) using MegaTran 2.0 (Cat# [TT210002]).