

Product datasheet for **TP507548**

Mboat7 (NM_029934) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse membrane bound O-acyltransferase domain containing 7 (Mboat7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR207548 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MTPEEWTYLMVLLISIPVGFLFKKAGPGLKRWGAAVGLGLTLFTCGPHSLHSLITILGTWALIQAQPCS
CHALALAWTFSYLLFFRALSLLGLPTPTPFTNAVQLLLTLKLVSLASEVQDLHLAQRKEIASGFHKEPTL
GLLPEVPSLMETLSYSYCYVGIMTGPFYRRTYLDWLEQPFPEAVPSLRPLLRRAWPAPLFGLLFLLSSH
LFPLEAVREDAFYARPLPTRLFYMIPVFFAFRMRFYVAWIAAECGICIAAGFGAYPVAAKARAGGGPTLQC
PPPSSPEIAASLEYDYETIRNIDCYGTDFCVRVRDGMRYWNMTVQWWLAQYIYKSAPFCSYVLRSAWTML
LSAYWHGLHPGYLSFMTIPLCLAAEGYLESALRRHLSPPGGQKAWDWWHWFVKMRAYDYMCMGFVLLSMA
DTLRYWASIYFWVHFLALACLGLGLVLGGGSPSKRKTPSQATSSQAKEKREE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	53.4 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_084210
Locus ID:	77582



[View online »](#)

UniProt ID:	<u>Q8CHK3</u>
RefSeq Size:	2880
Cytogenetics:	7 A1
RefSeq ORF:	1422
Synonyms:	5730589L02Rik; BB1; Leng4; Lpiat; Lpiat1; mBB1
Summary:	Acyltransferase which contributes to the regulation of free arachidonic acid (AA) in the cell through the remodeling of phospholipids. Mediates the conversion of lysophosphatidylinositol (1-acylglycerophosphatidylinositol or LPI) into phosphatidylinositol (1,2-diacyl-sn-glycero-3-phosphoinositol or PI) (LPIAT activity). Prefers arachidonoyl-CoA as the acyl donor (PubMed:23097495). Lysophospholipid acyltransferases (LPLATs) catalyze the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle (By similarity). Required for cortical lamination during brain development (PubMed:23097495).[UniProtKB/Swiss-Prot Function]