

Product datasheet for **TP511201**

Lpin1 (NM_015763) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse lipin 1 (Lpin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211201 representing NM_015763 Red =Cloning site Green =Tags(s)

MNYVGQLAGQVFVTVKELYKGLNPATLSGCDIIVIRQPNGSLQCSPFHVRFGKMGVLR SREKVDIEIN
GESVDLHMKLGDNGEAFVQETDNDQEIIPMYLATSPILSEGAARMESQLKRNSVDRIRCLDPTTAAQGL
PPSDTPSTGSLGKKRRRKAQLDNLKRDDNVNTSEDEDMFPIEMSSDEDTAPMDGSRTL PNDVPPFQD
DIPKENFPSISTYPQSASYPSSDREWSPSPSSLVDCQRTPPHLAEGVLSSSCPLQSFHASESPSGSRP
STPKSDELVSKSADRLTPKNNLEMLWLWGELPQAAKSSSPHKMKESSPLGSRKTPDKMNFQAIHSESSD
TFSDQSPTMARGLLIHQSKAQTEMQFVNEEDLESLGAAAPPSPVAEELKAPYPNTAQSSSKTDSPSRKKD
KRSRHLGADGVYLLDLDMDPEVAALYFPKNGDPGGLPKQASDNGARSANQSPQSVGGSGIDSGVESTSD
SLRDLPSIAISLCGGLSDHREITKDAFLEQAVSYQQFADNPAIIDPNLWVKVGNKYNNWTTAAPLLLAM
QAFQKPLPKATVESIMRDKMPKKGGRWWFSWRGRNATIKEESKPEQCLTGKGHNTGEQPAQLGLATRIKH
ESSSSDEEHAAAKPSGSSHL SLLSNVSYKKTLRLTSEQLKSLKLNKGNPDVWFSVTTQYQGTCRCEGTIY
LWNWDDKVIISDIDGTITRSDTLGHILPTLGKDWTHQGIKLYHKVSQNGYKFLYCSARAIGMADMTRGY
LHWVNERGTVLPQG PLLSPSSLFSALHREVIEKKPEKFKVQCLTDIKNLFFPNTEPFYAAFGNRPADVY
SYKQVGVSLNRIFTVNPKGELVQEHAKTNISSYVRLCEVVDHVFP LLKRS SHSCDFPCSDTFSNFTFWREP
LPPFENQDMHSASA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	102.5 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



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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_056578
Locus ID:	14245
UniProt ID:	Q91ZP3 , E9QKQ5
RefSeq Size:	5581
Cytogenetics:	12 7.9 cM
RefSeq ORF:	2772
Synonyms:	4631420P06; fld; Kiaa0188; Lipin1; mKIAA0188
Summary:	Plays important roles in controlling the metabolism of fatty acids at different levels. Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis. Acts also as nuclear transcriptional coactivator for PPARGC1A/PPARA regulatory pathway to modulate lipid metabolism gene expression. Is involved in adipocyte differentiation. Isoform 1 is recruited at the mitochondrion outer membrane and is involved in mitochondrial fission by converting phosphatidic acid to diacylglycerol.[UniProtKB/Swiss-Prot Function]