

Product datasheet for **TP315286L**

Lipin 3 (LPIN3) (NM_022896) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lipin 3 (LPIN3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215286 representing NM_022896 Red=Cloning site Green=Tags(s)

MNYVGQLAETVFGTVKELYRGLNPATLSSGGIDVLVVKQVDGFSFRCSPPFHVRFGKLGVLRSREKWDIELN
GEPVDLHMKLGDSGEAFFVQELESDDDEHVPPGLCTSPIPWGGLSGFSPDSQLGTASEPEGLVMAGTASTG
RRKRRRRRKPQKEDAVATDSSPEELEAGAESELSLPEKLRPEPPGVQLEEKSSLQPKDIYPYSDGEWPP
QASLSAGELTSPKSDSELEVRTPEPSPLRAESHMQAWGRLPKVARAERPESVLEGRAGATSPRGGP
STPSTSVAGGVDPGLPIQQTEAGADLQPDTEPTLVGPPLHTPETEESKTQSSGDMGLPPASKSWSWAT
LEVPVPTGQPERVSRGKGSFKRSQHLGPSDIYDDLPSLSDSENAALYFPQSDSGLGARRWSEPSSQKSLR
DPNPEHEPEPTLDTVDTIALSLCGGLADSRDISLEKFNQHSVSYQDLTKNPGLLDDPNLVVKINGKHYNW
AVAAPMILSLQAFQKNLPKSTMDKLEREKMPKGRWWFSWRRRDFLAERSAQKEKTAAKEQQGEKTEV
LSSDDDAPDSPVILEIPSLPSTPPSTPTYKKSRLSSDQIRRLNLQEGANDVFSVTTQYQGTCTCRCKAT
IYLWKWDDKVVISDIDGTITKSDALGHILPQLGKDWTHQGITSLYHKIQLNGYKFLYCSARAIGMADLTK
GYLQWVSEGGCSLPKGPILLSPSSLFSALHREVIEKKPEVFKVACLSDIQQLFLPHGQPFYAAFNGRPNP
VFAYRQVGLPESRIFTVNPRGELIQELIKNHKSTYERLGEVVELLFPPVARGPSTDLANPEYSNFCYWRE
PLPAVDLDTLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

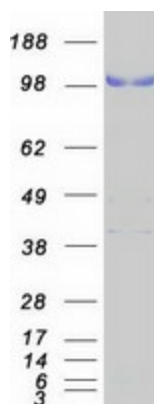
Tag:	C-Myc/DDK
Predicted MW:	93.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

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.
RefSeq:	NP_075047
Locus ID:	64900
UniProt ID:	Q9BQK8
RefSeq Size:	4464
Cytogenetics:	20q12
RefSeq ORF:	2553
Synonyms:	dj620E11.2; LIPN3L; SMP2
Summary:	The protein encoded by this gene is a member of the lipin family of proteins, and all family members share strong homology in their C-terminal region. This protein is thought to form hetero-oligomers with other lipin family members, while one family member, lipin 1, can also form homo-oligomers. This protein contains conserved motifs for phosphatidate phosphatase 1 (PAP1) activity as well as a domain that interacts with a transcriptional co-activator. Lipin complexes act in the cytoplasm to catalyze the dephosphorylation of phosphatidic acid to produce diacylglycerol, which is the precursor of both triglycerides and phospholipids. Lipin complexes are also thought to regulate gene expression as transcriptional co-activators in the nucleus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]

Product images:



Coomassie blue staining of purified LPIN3 protein (Cat# [TP315286]). The protein was produced from HEK293T cells transfected with LPIN3 cDNA clone (Cat# [RC215286]) using MegaTran 2.0 (Cat# [TT210002]).