

Product datasheet for PH315286

Lipin 3 (LPIN3) (NM_022896) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LPIN3 MS Standard C13 and N15-labeled recombinant protein (NP_075047)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215286
Predicted MW:	93.4 kDa
Protein Sequence:	>RC215286 representing NM_022896 Red=Cloning site Green=Tags(s)

MNYVGLAETVFGTVKELYRGLNPATLSGGIDVLVVKQVDGSRFCSPFHVRFGLGVLRSREKVVVDIELN
GEPVDLHMKLGDSGEAFFVQELESDDEHVPPGLCTSPIPWGGLSGFPSDSLGTASEPEGLVMAGTASTG
RRKRRRRRKPQKEDAVATDSSPEELEAGAESELSPKLRPEPPGVQLEEKSSLQPKDIYPYSDGEWPP
QASLSAGELTSPKSDSELEVRTPEPSPLRAESHMQAWGRLPKVARAERPESVLEGRAGATSPPRGGP
STPSTSVAGGVDPGLPIQQTEAGADLQPDTEPTLVGPPHTPETEESKTQSSGDMGLPPASKSWSWAT
LEVVPVTGQPERVSRGKSPKRSQHLGPSDIYLLDPLSDSENAALYFPQSDSGLGARRWSESSQKSLR
DPNPEHEPEPTLDTVDITIALSLCGGLADSRDISLEKFNQHSVSYQDLTKNPGLLDDPNLVKINGKHYNW
AVAAPMILSLQAFQKNLPKSTMDKLEREKMPKGGRRWFSWRRRDFLAEERSAQKEKTAAKEQQGEKTEV
LSSDDAPDSPVILEIPSLPPSTPPSTPTYKSLRLSSDQIRRLNLQEGANDVVFVTTQYQGTCTCRCKAT
IYLVKWDKVVISDIDGTITKSDALGHILPQLGKDWTHQGITSLYHKIQLNGYKFLYCSARAIGMADLTK
GYLQWVSEGGCSLPKGPILLSPSSLFSAHREVIKKEPEVFKVAQLSDIQQLFLPHGQPFYAAFGNRPND
VFAYRQVGLPESRIFTVNPRGELIQELIKNHKSTYERLGEVVELLFPPVARGPSTDLANPEYSNFCYWRE
PLPAVDLDTLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.

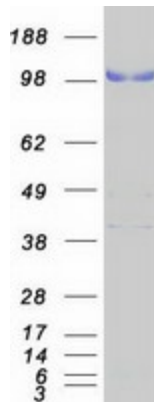


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RefSeq:	<u>NP_075047</u>
RefSeq Size:	4464
RefSeq ORF:	2553
Synonyms:	dj620E11.2; LIPN3L; SMP2
Locus ID:	64900
UniProt ID:	<u>Q9BQK8</u>
Cytogenetics:	20q12

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]).