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Product datasheet for RC215286L4V

Lipin 3 (LPIN3) (NM_022896) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lipin 3 (LPIN3) (NM_022896) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Lipin 3
Synonyms:	dJ620E11.2; LIPN3L; SMP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022896
ORF Size:	2553 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215286).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_022896.1
RefSeq Size:	4464 bp
RefSeq ORF:	2556 bp
Locus ID:	64900
Cytogenetics:	20q12
MW:	93.4 kDa

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Gene 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]