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Product datasheet for RC203766L2V

Lipoprotein lipase (LPL) (NM_000237) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lipoprotein lipase (LPL) (NM_000237) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Lipoprotein lipase
Synonyms:	HDLCQ11; LIPD
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000237
ORF Size:	1425 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203766).
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_000237.2
RefSeq Size:	3747 bp
RefSeq ORF:	1428 bp
Locus ID:	4023
UniProt ID:	P06858
Cytogenetics:	8p21.3
Domains:	lipase, PLAT
Protein Families:	Druggable Genome

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Protein Pathways:	Alzheimer's disease, Glycerolipid metabolism, PPAR signaling pathway
MW:	53.2 kDa
Gene Summary:	LPL encodes lipoprotein lipase, which is expressed in heart, muscle, and adipose tissue. LPL functions as a homodimer, and has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake. Severe mutations that cause LPL deficiency result in type I hyperlipoproteinemia, while less extreme mutations in LPL are linked to many disorders of lipoprotein metabolism. [provided by RefSeq, Jul 2008]