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Product datasheet for PH303766

Lipoprotein lipase (LPL) (NM_000237) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LPL MS Standard C13 and N15-labeled recombinant protein (NP_000228)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203766
Predicted MW:	53.2 kDa
Protein Sequence:	>RC203766 representing NM_000237 Red=Cloning site Green=Tags(s) MESKALLVLTLAVWLQSLTASRGGVAAADQRRDFIDIESKFALRTPEDTAEDTCHLIPGVAESVATCHFN HSSKTFMVIHGWTVTGMYESWVPKLVAALYKREPDSNVIVVDWLSRAQEHYPVSAGYTKLVGQDVARFIN WMEEEFNYPLDNVHLLGYSLGAHAAGIAGSLTNKKVNRITGLDPAGPNFEYAEAPSRLSPDDADFVDVLH TFTRGSPGRSIGIQKPVGHVDIYPNGGTFQPGCNIGEAIRVIAERGLGDVDQLVKCSHERSIHLFIDSLL NEENPSKAYRCSSKEAFEKGLCLSCRKNRCNNLGYEINKVRAKRSSKMYLKTRSQMPYKVFHYQVKIHFS GTESETHTNQAFEISLYGTVAESENIPFTLPEVSTNKTYSFLIYTEVDIGELLMLKLKWKSDSYFSWSDW WSSPGFAIQKIRVKAGETQKKVIFCSREKVSHLQKGKAPAVFVKCHDKSLNKKSG 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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.
RefSeq:	NP_000228
RefSeq Size:	3747
RefSeq ORF:	1425
Synonyms:	HDLCQ11; LIPD

View online »

Locus ID: 4023

UniProt ID: P06858, A0A1B1RVA9

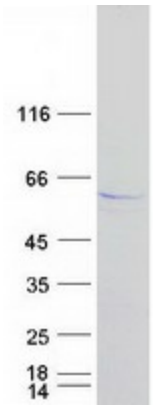
Cytogenetics: 8p21.3

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]

Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Glycerolipid metabolism, PPAR signaling pathway

Product images:



Coomassie blue staining of purified LPL protein (Cat# [TP303766]). The protein was produced from HEK293T cells transfected with LPL cDNA clone (Cat# [RC203766]) using MegaTran 2.0 (Cat# [TT210002]).