

Recombinant Human LPL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LPL-5717H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LPL MS Standard C13 and N15-labeled recombinant protein (NP_000228) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	53.2 kDa
AA Sequence	MESKALLVLTAVWLQSLTASRGGVAAADQRRDFIDIESKFALRTPEDTAEDTCHLIP GVAESVATCHFNHSSKTFMVIHGWTVTGMYESWVPKLVAALYKREPDSNVIVVDWL SRAQEHYPVSAGYTKLVGQDVARFINWMEEEFNYPDNDVHLLGYSLGAHAAGIAGS LTNKKVNRTGLDPAGPNFEYAEAPSRSLPDDADFVDVLHTFTRGSPGRSIGIQKPV GHVDIYPNGGTFQPGCNIGEAIRVIAERGLGDVDQLVKCSHERSIHLFIDSLNEENP SKAYRCSSKEAFEKGLCLSCRKNRCNNLGYEINKVRAKRSSKMYLKTRSQMPYKVF HYQVKIHFSGTESEHTNQAFEISLYGTVAESENIPFTLPEVSTNKTYSFLLIYTEVDIGE LLMLKLKWKSDSYFSWSDWWSSPGFAIQKIRVKAGETQKKVIFCSREKVSHLQKGK

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APAVFVKCHDKSLNKKSGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

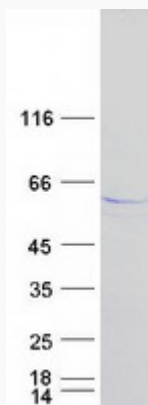
GENE INFORMATION

Gene Name	LPL lipoprotein lipase [Homo sapiens (human)]
Official Symbol	LPL
Synonyms	LPL; lipoprotein lipase; LIPD; HDLCQ11; lipoprotein lipase; phospholipase A1; EC 3.1.1.32; EC 3.1.1.34
Gene ID	4023
mRNA Refseq	NM_000237
Protein Refseq	NP_000228
MIM	609708
UniProt ID	P06858

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SDS-PAGE

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