

Recombinant Human LPL protein, Flag-tagged

Cat. No. LPL-1015H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LPL(Ala28 to Gly475, variant Asn > Ser318) fused with Flag tag at N-terminal and 13 extra AA was expressed in HEK293.
Species	Human
Source	HEK293
Form	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 50mM NaCl, pH 7.5
Molecular Mass	51.8 kDa (calculated).
AA Sequence	<p>HVDYKDDDDK PAGADQRRDF IDIESKFALR TPEDTAEDTC HLIPGVAESV ATCHFVNHSSK TFMVIHGWTV TGMYESWVPK LVAALYKREP DSNVIVVDWL SRAQEHPVVS AGYTKLVGQD VARFINWMEE EFNYPLDNVH LLGYSLGAHA AGIAGSLTNK KVNRTGLDP AGPNFEYAEA PSRLSPDDAD FVDVLHTFTR GSPGRSIGIQ KPVGHVDIYP NGGTFQPGCN IGEAIRVIAE RGLGDVDQLV KCSHERSIHL FIDSLNEEN PSKAYRCSSK EAFEKGLCLS CRKNRCNNLG YEISKVRAKR SSKMYLKTRS QMPYKVFHYQ VKIHFSGTES ETHTNQAFEI SLYGTVAESE NIPFTLPEVS TNKTYSFLIY TEVDIGELLM LKLKWKSDSY FSWSDWWSSP GFAIQKIRVK AGETQKKVIF CSREKVSHLQ KGKAPAVFVK CHDKSLNKKS G</p>
Endotoxin	< 1.0 EU/µg

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Applications	Cell culture and/or animal studies, ELISA, Western blotting
Storage	Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80 centigrade for long term storage. Reconstituted protein can be stored at 4 centigrade for a limited period of time; it does not show any change after one week at 4 centigrade.
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

GENE INFORMATION

Gene Name	LPL lipoprotein lipase [Homo sapiens]
Official Symbol	LPL
Synonyms	LPL; lipoprotein lipase; LIPD; HDLCQ11;
Gene ID	4023
mRNA Refseq	NM_000237
Protein Refseq	NP_000228
UniProt ID	P06858
Chromosome Location	8p22
Pathway	Adipogenesis, organism-specific biosystem; Alzheimers disease, organism-specific

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biosystem; Alzheimers disease, conserved biosystem; Chylomicron-mediated lipid transport, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem;

Function

heparin binding; hydrolase activity; lipoprotein lipase activity; lipoprotein lipase activity; lipoprotein lipase activity; phospholipase activity; protein binding; receptor binding; triglyceride binding; triglyceride lipase activity; triglyceride lipase activity;

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