

Active Recombinant Human LPL Protein, His-tagged

Cat. No. LPL-22H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Lipoprotein Lipase-LPL Protein (Ala28-Gly475) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	28-475 a.a.
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.
Bio-activity	Measured by its ability to hydrolyze 4-Nitrophenyl butyrate. The specific activity is >2,500 pmol/min/μg.
Molecular Mass	51 kDa
N-terminal Sequence Analysis	Ala28
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.

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Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 µm filtered solution in Tris, NaCl, CHAPS and Glycerol.
Shipping	The product is shipped with dry ice or equivalent.

GENE INFORMATION

Gene Name	LPL lipoprotein lipase [Homo sapiens (human)]
Official Symbol	LPL
Synonyms	LPL; lipoprotein lipase; LIPD; HDLCQ11; lipoprotein lipase; 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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