Recombinant Human LPL Protein, His-tagged

Cat. No. LPL-2403H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LPL Protein (Ala28-Gly475) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala28-Gly475
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.1 kDa Accurate Molecular Mass: 54 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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