

Recombinant Human LPL Protein, GST-tagged

Cat. No. LPL-4715H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LPL full-length ORF (NP_000228.1, 1 a.a. - 475 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	79.6 kDa
AA Sequence	MESKALLVLTAVWLQSLTASRGGVAAADQRRDFIDIESKFALRTPEDTAEDTCHLIP GVAESVATCHFNHSSKTFMVIHGWTVTGMYESWVPKLVAALYKREPDSNVIVVDWL SRAQEHYPVSAGYTKLVGQDVARFINWMEEEFNYP LDNVHLLGYSLGAHAAGIAGS LTNKKVNRTGLDPAGPNFEYAEAPSRLSPDDADFVDVLHTFTRGSPGRSIGIQKPV GHVDIYPNGGTFQPGCNIGEAIRVIAERGLGDVDQLVKCSHERSIHLFIDSLNEENP SKAYRCSSKEAFEKGLCLSCRKNRCNNLGYEINKVRAKRSSKMYLKTRSQMPYKVF HYQVKIHFSGTESEHTNQAFEISLYGTVAESENIPFTLPEVSTNKTYSLIYTEVDIGE LLMLKLKWKSDSYFSWSDWWSSPGFAIQKIRVKAGETQKKVIFCSREKVSHLQKGK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

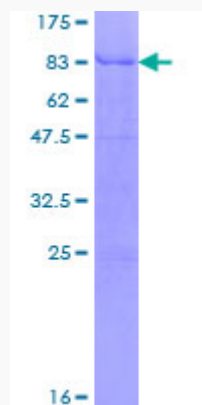
	APAVFVKCHDKSLNKKSG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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