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Product Information

MemDX™ Membrane Protein Human LPL (Lipoprotein lipase) for Antibody Discovery

Cat. No.: **MP0651X**
This product is for research use only and is not intended for diagnostic use.

This product is a 79.6 kDa Human LPL membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
LPL

Protein Length
Full-length

Molecular Weight
79.6 kDa

Sequence
MESKALLVLTLAVWLQSLTASRGGVAAADQRRDFIDIESKFALRTPEDTAEDTCHLIPGVAESVATCHFNHSSKTFMVIHGWTVTGM

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification
Glutathione Sepharose 4 Fast Flow

Buffer
50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

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Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

LPL

Full Name

Lipoprotein lipase

Introduction

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

Alternative Names

LIPD; HDLCQ11

Gene ID

4023

UniProt ID

P06858

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