

# 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

MESKALLVLTAVWLQSLTASRGGVAAADQRRDFIDIESKFALRTPEDTAEDTCHLIPGVAESVATCHFNHSSKTFMVIHGWTVTGM

### 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

**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](#)