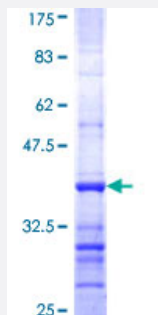


LIPF (Human) Recombinant Protein (Q01)

Catalog # H00008513-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human LIPF partial ORF (NP_004181, 299 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KSGKFQAYDWGSPVQNRMHYDQSQPPYYNVTAMNVPIAVWNGGKDLLADPQDVGLLLPKLPNLI YHKEIPFYHLDLFWAMDAPQEVYNDIVSMISEDKK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (78); Rat (71)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — LIPF

Entrez GeneID [8513](#)

GeneBank Accession# [NM_004190](#)

Protein Accession# [NP_004181](#)

Gene Name LIPF

Gene Alias GL, HGL, HLAL, MGC138477, MGC142271

Gene Description lipase, gastric

Omim ID [601980](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes gastric lipase, an enzyme involved in the digestion of dietary triglycerides in the gastrointestinal tract, and responsible for 30% of fat digestion processes occurring in human. It is secreted by gastric chief cells in the fundic mucosa of the stomach, and it hydrolyzes the ester bonds of triglycerides under acidic pH conditions. The gene is a member of a conserved gene family of lipases that play distinct roles in neutral lipid metabolism. [provided by RefSeq]

Other Designations OTTHUMP00000020038|gastric lipase|gastric triacylglycerol lipase

Pathway

- [Glycerolipid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Alzheimer Disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Schizophrenia](#)
- [Weight Gain](#)