

Product datasheet for **TP321225L**

LIPF (NM_004190) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human lipase, gastric (LIPF), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC221225 representing NM_004190

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MWLLLTMASLISVLGTTGHLFGKLHPGSPEVTMNISQMITYWGYPNEEYEVVTEGDGYILEVNRIPYGKKN
SGNTGQRPVWFLOHGLLASATNWNISLNPNNLAFILADAGYDVWLGNSRGNTWARRNLYSPDSVEFWAF
SFDEMAKYDLPATIDFIVKKTGQQLHYVGHSGGTTIGFIAFSTNPSLAKRIKTFYALAPVATVKYTKSL
INKLRFVPQSLFKFIFGDKIFYPHNFFDQFLATEVCSREMLNLLCSNALFIICGFDSKNFNTRSRLDVYLS
HNPAGTSVQNMFWHTQAVKSGKFQAYDWGSPVQNRMHYDQSQPPYYNVTAMNVPIAVWNGGKDLLADPQD
VGLLLPKLPNLIYHKEIPFYNHLDFIWAMDAPQEVYNDIVSMISEDKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 43.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_004181](#)

Locus ID: 8513



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UniProt ID: [P07098](#)

RefSeq Size: 1365

Cytogenetics: 10q23.31

RefSeq ORF: 1194

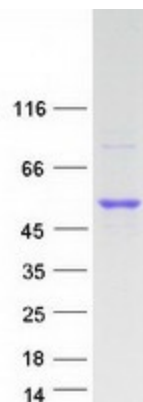
Synonyms: GL; HGL; HLAL

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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Glycerolipid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified LIPF protein (Cat# [TP321225]). The protein was produced from HEK293T cells transfected with LIPF cDNA clone (Cat# [RC221225]) using MegaTran 2.0 (Cat# [TT210002]).