

## Product datasheet for TP321225

### LIPF (NM\_004190) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human lipase, gastric (LIPF), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC221225 representing NM\_004190

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

**Sequence:**

MWLLLTMASLISVLGTTHTGLFGKLHPGSPEVTMNISQMITYWGYPNEEYEVVTEDEGYILEVNRIPYGKKN  
SGNTGQRPVWFLQHGLLASATNWNISLNPNNLAFILADAGYDVWLGNSRGNTWARRNLYSPDSVEFWAF  
SFDEMAKYDLPATIDFIVKKTGQKQLHYVGHSGTTIGFIAFSTNPSLAKRIKTFYALAPVATVKYTKSL  
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

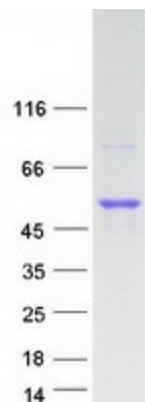
Synonyms: GL; HGL; HLAL

**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]).