# Recombinant Human LIPF Protein, GST-tagged

**Cat. No.** LIPF-06H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human LIPF full-length ORF (BAG35782.1, 1 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **ProteinLength** | 1-398 |
| **Description** | 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. |
| **Molecular Mass** | 70.18 kDa |
| **AA Sequence** | MWLLLTMASLISVLGTTHGLFGKLHPGSPEVTMNISQMITYWGYPNEEYEVVTEDGY ILEVNRIPYGKKNSGNTGQRPVVFLQHGLLASATNWISNLPNNSLAFILADAGYDVWL GNSRGNTWARRNLYYSPDSVEFWAFSFDEMAKYDLPATIDFIVKKTGQKQLHYVGH SQGTTIGFIAFSTNPSLAKRIKTFYALAPVATVKYTKSLINKLRFVPQSLFKFIFGDKIFY PHNFFDQFLATEVCSREMLNLLCSNALFIICGFDSKNFNTSRLDVYLSHNPAGTSVQ NMFHWTQAVKSGKFQAYDWGSPVQNRMHYDQSQPPYYNVTAMNVPIAVWNGGK |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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|---|---|
| | DLLADPQDVGLLLPKLPNLIYHKEIPFYNHLDFIWAMDAPQEVYNDIVSMISEDKK |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | LIPF lipase F, gastric type [ Homo sapiens (human) ] |
| **Official Symbol** | LIPF |
| **Synonyms** | LIPF; lipase F, gastric type; GL; HGL; HLAL; gastric triacylglycerol lipase; gastric lipase; lipase, gastric; EC 3.1.1.3 |
| **Gene ID** | 8513 |
| **mRNA Refseq** | NM_004190 |
| **Protein Refseq** | NP_004181 |
| **MIM** | 601980 |
| **UniProt ID** | P07098 |

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