

Recombinant Human LIPF

Catalog No: C657

Description	Recombinant Human Gastric Triacylglycerol Lipase is produced by our Mammalian expression system and the target gene encoding Leu20-Lys398 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Gastric Triacylglycerol Lipase; GL; Gastric Lipase; LIPF
Accession No.	P48740
Predicted Molecular Weight	43.67kDa
AP Molecular Weight	50-80kDa
Formulation	Supplied as a 0.2 µm filtered solution of 25mM TrisHCl, 100mM glycine, 10% glycerol, pH 7.3.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 90% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Amino Acid Sequence	<p>LFGKLHPGSPEVTMNISQMITYWGYPNEEYEVVTEDEGYILEVNRIPYGGKNSGNTGQRPVVFLQHGLL</p> <p>ASATNWNISNLPNNSL</p> <p>AFILADAGYDVWLGNSRGNTWARRNLYSPDSVEFWAFSFDDEMAKYDLPATIDFIVKKAGQKQLHYV</p> <p>GHSQGTIGFIAFSTN</p> <p>PSLAKRIKTFYALAPVATVKYTKSLINKLRFVPQSLFKFIFGDKIFYPHNFFDQFLATEVCSREMLNLLCS</p> <p>NALFIICGFDSKNFNTSR</p> <p>LDVYLSHNPAGTSVQNMFWHTQAVKSGKFQAYDWGSPVQNRMHYDQSQPPYYNVTAMNVPIAVWN</p> <p>GGKDLLADPQDV GLLLPKLPNLIYHKEIPFYNHLDFIWAMDAPQEVYNDIVSMISEDKKVDHHHHHH</p>
Background	<p>Gastric Triacylglycerol Lipase (LIPF) belongs to the AB hydrolase superfamily. LIPF is an important lipase during the digestion of dietary lipids in cystic fibrosis. LIPF is involved in the digestion of dietary triglycerides in the gastrointestinal tract, and responsible for 30% of fat digestion processes occurring in human. LIPF 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. LIPF acts distinct roles in neutral lipid metabolism.</p>

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