



Recombinant Protein Technical Manual

Recombinant Human Gastric Lipase/LIPF Protein (Human Cells, His Tag)

RPES4783

Product Data:

Product SKU: RPES4783

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P07098

Protein Information:

Molecular Mass: 44.2 kDa

AP Molecular Mass: 50 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 25mM TrisHCl, 100mM glycine, 10% glycerol, pH 7.3.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: HGL;HLAL;Gastric Triacylglycerol Lipase; GL; Gastric Lipase; LIPF

Immunogen Information:

Sequence: Leu20-Lys398

Background:

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.