



Recombinant Protein Technical Manual
Recombinant Human Gastric Lipase/LIPF Protein
(Baculovirus, His Tag)
RPES3522

Product Data:

Product SKU: RPES3522

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect cells

Uniprot: AAI12273.1

Protein Information:

Molecular Mass: 44.6 kDa

AP Molecular Mass: 45 kDa

Tag: C-His

Bio-activity:

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

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

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

Application:

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

Immunogen Information:

Sequence: Met 1-Lys398

Background:

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.