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

Catalog No. PKSH032480

Note: Centrifuge before opening to ensure complete recovery of vial contents.

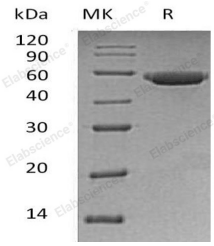
Description

Synonyms	HGL;HLAL;Gastric Triacylglycerol Lipase;GL;Gastric Lipase;LIPF
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu20-Lys398
Accession	AAI12273.1
Calculated Molecular Weight	44.2 kDa
Observed molecular weight	50 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein 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 Tris-HCl, 100mM glycine, 10% Glycerol, pH 7.3.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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