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Datasheet for ABIN7318526 LIPF Protein (His tag)

Overview

Quantity:	50 µg
Target:	LIPF
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LIPF protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Gastric Lipase/LIPF Protein (Human Cells, His Tag)
Sequence:	Leu20-Lys398
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LIPF
Alternative Name:	Gastric Lipase/LIPF (LIPF Products)
Background:	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

Target Details

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.

Synonym: HGL,HLAL,Gastric Triacylglycerol Lipase, GL, Gastric Lipase, LIPF

Molecular Weight: 44.2 kDa

UniProt: [P07098](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

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

Storage: -20 °C

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