

Recombinant Human LIPF, His-tagged

Cat. No. LIPF-292H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human LIPF (AAI12273.1) (Met1-Lys398) was expressed with a C-terminal polyhistidine tag.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Lys398
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The secreted recombinant human LIPF consists of 389 amino acids and predicts a molecular mass of 44.6 KDa. The apparent molecular mass of the protein is approximately 45 KDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

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GENE INFORMATION

Gene Name	LIPF lipase, gastric [Homo sapiens]
Official Symbol	LIPF
Synonyms	LIPF; lipase, gastric; gastric triacylglycerol lipase; HGL; HLAL; gastric lipase; GL; MGC138477; MGC142271;
Gene ID	8513
mRNA Refseq	NM_001198828
Protein Refseq	NP_001185757
MIM	601980
UniProt ID	P07098
Chromosome Location	10q23
Pathway	Acylglycerol degradation, organism-specific biosystem; Acylglycerol degradation, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem;
Function	hydrolase activity; lipid binding; retinyl-palmitate esterase activity; triglyceride lipase activity;

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