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Datasheet for ABIN2115427

LIPF Protein (AA 20-398) (His tag)

Overview

Quantity:	50 µg
Target:	LIPF
Protein Characteristics:	AA 20-398
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 Triacylglycerol Lipase/LIPF (C-6His)
Sequence:	LFGKLHPGSP EVTMNISQMI TYWGYPNEEY EVVTEDGYIL EVNRIPYGKK NSGNTGQRPV VFLQHGLLAS ATNWISNLPN NSLAFILADA GYDVWLGNSR GNTWARRNLY YSPDSVEFWA FSFDEMAKYD LPATIDFIVK KAGQKQLHYV GHSQGTIGF IAFSTNPSLA KRIKTFYALA PVATVKYTKS LINKLRFVPQ SLFKFIFGDK IFYPHNFFDQ FLATEVCSRE MLNLLCSNAL FIICGFDSKN FNTSRLDVYL SHNPAGTSVQ NMFHWTQAVK SGKFQAYDWG SPVQNRMHYD QSQPPYYNVT AMNVPIAVWN GGDLLADPQ DVGLLLPKLP NLIYHKEIPF YNHLDFIWAM DAPQEVYNDI VSMISEDKKV DHHHHHHH
Characteristics:	Recombinant Human Gastric Triacylglycerol Lipase/LIPF is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Leu20-Lys398) of Human LIPF fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	LIPF
Alternative Name:	Gastric Triacylglycerol Lipase/LIPF (LIPF Products)
Background:	<p>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.</p> <p>Synonyms: Gastric Triacylglycerol Lipase, GL, Gastric Lipase, LIPF</p>
Molecular Weight:	44.22 kDa
UniProt:	P07098

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 25 mM TrisHCl, 100 mM glycine, 10 % glycerol, pH 7.3.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months