

32-7564: Recombinant Human Gastric Triacylglycerol Lipase/LIPF (C-6His)

Gene : LIPF
Gene ID : 8513
Uniprot ID : P07098

Description

Source: Human Cells.
MW :44.22kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 25mM TrisHCl, 100mM glycine, 10%glycerol,pH 7.3.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : LFGKLHPGSPEVTMNISQMITYWGYPNEEYEVVTEDEGYILEVNRIPYGGKNSGNTGQRPVVFLQHGLLASATNW
ISNLPNNSLAFILADAGYDVWLGNSRGNTWARRNLYSPDSVEFWAFSFDMAKYDLPATIDFIVKKAGQQLH
YVGHSQGTTIGFIAFSTNPSLAKRIKTFYALAPVATVKYTKSLINKLRFVPSLKFIFGDKIFYPHNFFDQFLATEV
CSREMLNLLCSNALFIICGFDSKNFNTRSRLDVYLSHNPAGTSVQNMFWHTQAVKSGKFQAYDWGSPVQNRMH
YDQSQPPYYNVTAMNVPIAVWNGGKDLLADPQDVGLLLPKLPNLIYHKEIPFYNHLDFIWAMDAPQEYVNDIVS
MISEDKKVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.