Recombinant Human LIPC, His-tagged

Cat. No. LIPC-267H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIPC(Gln25~Gly247), fused with N-terminal His-Tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	25-247 a.a.
Description	LIPC encodes hepatic triglyceride lipase, which is expressed in liver. LIPC has the dual functions of triglyceride hydrolase and ligand/bridging factor for receptor-mediated lipoprotein uptake.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	26.0kDa
AA Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below.MGHHHHHHSG SEF- QSLKPE PFGRRAQAVE TNKTLHEMKT RFLLFGETNQ GCQIRINHPD TLQECGFNSS LPLVMIIHGW SVDGVLENWI WQMVAALKSQ PAQPVNVGLV DWITLAHDHY TIAVRNTRLV GKEVAALLRW LEESVQLSRS HVHLIGYSLG AHVSGFAGSS IGGTHKIGRI TGLDAAGPLF EGSAPSNRLS PDDANFVDAI HTFTREHMGL SVGIKQPIGH YDFYPNG
Endotoxin	<1.0 EU per 1μg (determined by the LAL method)

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Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37oC for 48h, and no obvious degradation and precipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8ºC for one month. Aliquot and store at -80ºC for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	LIPC lipase, hepatic [Homo sapiens (human)]
Official Symbol	LIPC
Synonyms	LIPC; lipase, hepatic; HL; HTGL; LIPH; HDLCQ12; hepatic triacylglycerol lipase; hepatic lipase; lipase member C; NP_000227.2; EC 3.1.1.3
Gene ID	3990
mRNA Refseq	NM_000236
Protein Refseq	NP_000227
MIM	151670

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UniProt ID	P11150
Chromosome Location	15q21-q23
Pathway	Acylglycerol degradation; Fatty Acid Beta Oxidation; Lipoprotein metabolism
Function	apolipoprotein binding; low-density lipoprotein particle binding; triglyceride lipase activity

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