

Recombinant Human PLTP

Cat. No. PLTP-30291TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PLTP, isoform 2 with N terminal proprietary tag, 72.05kDa.
Species	Human
Source	Wheat Germ
ProteinLength	423 amino acids
Description	The protein encoded by this gene is one of at least two lipid transfer proteins found in human plasma. The encoded protein transfers phospholipids from triglyceride-rich lipoproteins to high density lipoprotein (HDL). In addition to regulating the size of HDL particles, this protein may be involved in cholesterol metabolism. At least two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	72.050kDa inclusive of tags
Tissue specificity	Wide tissue distribution. Placenta >pancreas >lung >kidney >heart >liver >skeletal muscle >brain.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	FPGCKIRVTSKALELVKQEGLRFLEQELETITIPDLRGKE GHFYYNISEVKVTELQLTS SELD FQPQQELMLQITNASLG LRFRRQLLYWFLKVYDFLSTFITSGMRFLNQQICP VLYH AGTVLLNSLLDTPVRSSVDELVGIDYSMLMKDPVASTSNL DMDFRGAFFPLT ERNWSLPNRAVEPQLQEEERMVYVAFSE FFFDSAMESYFRAGALQLLLVGDKVPH DLDMLLRATYFGS IVLLSPAVIDSPLKLELRVLAPPRCTIKPSGTTISVTASV TIALVPP DQPEVQLSSMTMDARLSAKMALRGKALRTQLDL RRFRIYSNHSALSLALIPLQAPL KTMLQIGVMPMLNERT WRGVQIPLPEGINFVHEVVTNHAGFLTIGADLHFAKGLRE VIEKNRPADVRASTAPTPTAAV
Sequence Similarities	Belongs to the BPI/LBP/Plunc superfamily. BPI/LBP family.

GENE INFORMATION

Gene Name	PLTP phospholipid transfer protein [Homo sapiens]
Official Symbol	PLTP
Synonyms	PLTP; phospholipid transfer protein; BPI fold containing family E; BPIFE;
Gene ID	5360
mRNA Refseq	NM_001242920
Protein Refseq	NP_001229849
Uniprot ID	P55058

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Chromosome Location	20q13.12
Pathway	Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;
Function	lipid binding;

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