

Recombinant Mouse Pltp Protein, Myc/DDK-tagged

Cat. No. Pltp-4944M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phospholipid transfer protein (Pltp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>Mediates the transfer of phospholipids and free cholesterol from triglyceride-rich lipoproteins (low density lipoproteins or LDL and very low density lipoproteins or VLDL) into high-density lipoproteins (HDL) as well as the exchange of phospholipids between triglyceride-rich lipoproteins themselves. Facilitates the transfer of a spectrum of different lipid molecules, including sphingomyelin, phosphatidylcholine, phosphatidylinositol, phosphatidylglycerol, and phosphatidyl ethanolamine. Plays an important role in HDL remodeling which involves modulating the size and composition of HDL. Also plays a key role in the uptake of cholesterol from peripheral cells and tissues that is subsequently transported to the liver for degradation and excretion.</p> <p>Two distinct forms of PLTP exist in plasma: an active form that can transfer phosphatidylcholine from phospholipid vesicles to HDL, and an inactive form that lacks this capability.</p>
Molecular Mass	54.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Pltp phospholipid transfer protein \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Pltp](#)

Synonyms PLTP; phospholipid transfer protein; lipid transfer protein II; Bpife; OD107

Gene ID [18830](#)

mRNA Refseq [NM_011125](#)

Protein Refseq [NP_035255](#)

UniProt ID [P55065](#)

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