

Product datasheet for **TP507917**

Pltp (NM_011125) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse phospholipid transfer protein (Pltp), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207917 protein sequence Red =Cloning site Green =Tags(s)

MVLLWALFLALLAGAHAELPGCKIRVTSAALELVKQEGLRFLEQELETITIPDVYGAKGHFYFNISDVRV
TQLHLISSELHFQPDQDLLLNISNASLGLHFRRQLLYWFLYDGGYINASAEGVSIRTGLQLSQDSSGRK
VSNVSCASVSKMNMAFGGTFRRMYNFFSTFITSGMRFLNQQICPVLHAGTVLLNSLLDTPVRSSVD
DLVGDIDYLLKDPVVSNGNLDMEFRGAFFPLKEDNWSLPNRAVEPQLEDDERMVYVAFSEFFFDAMESY
FQAGALQLTLVGDKVPSDLDMLLRATYFGSIVLLSPTVINSPLKLEATSPPRCTIKPSGTTISITASV
TITLAPPMLPEVELSKMIMEGRLSAKLTRGKALRVKLDLRRFQIYSNQSALSLALIPLQAPLKTLLQI
GVMPLLNERTWRGVQIPLPEGINFVREVTNHAGFVTVGADLHFAKGLREVIDKNRPADVAASHVPPPSA
AAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	54.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_035255</u>



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Locus ID:	18830
UniProt ID:	P55065 , Q3UFS5 , Q3UE59
RefSeq Size:	1806
Cytogenetics:	2 85.27 cM
RefSeq ORF:	1482
Synonyms:	Bpife; OD107
Summary:	Facilitates the transfer of a spectrum of different lipid molecules, including diacylglycerol, phosphatidic acid, sphingomyelin, phosphatidylcholine, phosphatidylglycerol, cerebroside and phosphatidyl ethanolamine. Essential for the transfer of excess surface lipids from triglyceride-rich lipoproteins to HDL, thereby facilitating the formation of smaller lipoprotein remnants, contributing to the formation of LDL, and assisting in the maturation of HDL particles. PLTP 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. Two distinct forms of PLTP exist in plasma: an active form that can transfer PC from phospholipid vesicles to high-density lipoproteins (HDL), and an inactive form that lacks this capability (By similarity).[UniProtKB/Swiss-Prot Function]