

Product datasheet for **MR207917**

Pltp (NM_011125) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pltp (NM_011125) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pltp
Synonyms:	Bpife; OD107
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207917 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCTGCTCTGGCCCTCTTCTAGCGCTCCTGGCAGGTGCCACGCCGAGCTCCGGGCTGCAAGA
 TCCGCGTCACCTCCGCGCTCTGGAGCTGGTGAAGCAGGAAGGCCTGCGCTTCTGGAACAAGAGCTGGA
 GACCATACCATCCCAGACGTGTACGGCGCAAAGGGCCACTTTTACTACAATATCTCGGACGTGAGGGTC
 ACACAGCTGCACCTGATATCCTCGGAACTCCACTTCCAGCCAGACCAAGATCTGTGCTGAACATCTCCA
 ACGCATCTTGGGGCTGCACTTCCGGAGGCAGCTACTCTACTGGTTCTTATATGATGGGGCTACATCAA
 TGCCTCGGCGGAGGGTGTGTCCATCCGAACAGGTCTACAGCTCTCCAGGATTCCAGCGGTGGATTAAA
 GTGTCCAATGTCTCTGCGAGGCCTCTGTGTCTAAAATGAATATGGCCTTCGGGGAACTTCAGGAGGA
 TGTATAACTTTTTCTCCACGTTCACTTCTGGGATGCGGTTCTCTCAACCAGCAGATCTGCCCTGT
 GCTCTACCATGCTGGGACGGTGTGCTCAACTCCCTCCTGGACACGGTGCCCGTGCGCAGTTCTGTGGAT
 GATCTCGTGGGCATCGATTACTCCCTTCTGAAGGATCCTGTGGTCTCCAACGGCAATCTGGATATGGAAT
 TCCGGGGAGCATTCTCCCTCTGAAGGAGGACAACCTGGAGCCTCCCAACAGGGCAGTGGAGCCTCAGT
 GGAGGACGACGAGAGGATGGTGTACGTGGCCTTCTCCGAGTTCTTTTTGACTCCGCCATGGAGAGCTAC
 TTCCAGGCTGGAGCGCTGCAGCTGACTCTTGTGGGGACAAGGTGCCGAGTGACCTGGACATGCTTCTGA
 GAGCCACTACTTTGGGAGCATTGTTCTCTGAGTCCGACAGTGATTAACCCCCACTGAAGCTGAAGCT
 AGAGGCCACGAGCCCTCCACGTTGTACCATCAAGCCGTGAGCACCACCATCTCCATCACCGCCAGCGTC
 ACCATCACCTTGGCCCCGCCATGTTGCCGGAAGTGGAGCTGTCCAAGATGATCATGGAAGGCCGTCTCA
 GTGCTAAGTTGACACTCCGGGGCAAGCGCTGCGAGTGAAGCTGGACCTCGAAGGTTTCAAATCTACTC
 AAATCAGTCTGCGCTGGAGTCTCTGGCGCTGATCCCACTGCAGGCCCACTGAAGACACTGCTGCAATC
 GGAGTGATGCCTTTGCTGAACGAGCGTACTGGCGTGGGGTGCAGATCCCCCTTCTGAGGGTATCAACT
 TCGTGCCTGAGGTGGTGACCAACCACGCGGGCTTCGTCAGTGTGGGGCTGACCTCCACTTTGCCAAAGG
 GCTTCGAGAAGTGATTGACAAGAACCCTCCTGCAGACGTTGCGGCCTCCCATGTCCCCCACCTCTGCT
 GCAGCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207917 protein sequence
 Red=Cloning site Green=Tags(s)

MVLLWALFLALLAGAHAE L PGKIRVTSAALELVKQEGLRFLEQELETITIPDVYGA KH FYNYISDVRV
 TQLHLISSELHFQPDQLLLNISASLGLHFRRQLLYWFLYDGGYINASAEGVSIRTGLQLSQDSSGRIK
 VSNVSCEASVSKMNAFGGTFRRMYNFFSTFITSGMRFLLNQQICPVLYHAGTVLLNSLLDTPVPRSSVD
 DLVIGIDYSLLKDPVVSNGNLDMEFRGAFFPLKEDNWSLPNRAVEPQLEDDERMVYVAFSEFFFDAMESY
 FQAGALQLTLVGDKVPSDLDMLLRATYFGSIVLLSPTVINSPKLEATSPPRCTIKPSGTTISITASV
 TITLAPPMLPEVELSKMIMEGRLSAKLTLRGKALRVKLDLRRFQIYSNQSALESAL IPLQAPLKTLLQI
 GVMPLLNERTWRGVQIPLPEGINFVREVVNTHAGFVTVGADLHFAKGLREVIDKNRPADVAASHVPPPSA
 AAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_011125

ORF Size: 1482 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_011125.2](#), [NP_035255.1](#)

RefSeq Size: 1806 bp

RefSeq ORF: 1482 bp

Locus ID: 18830

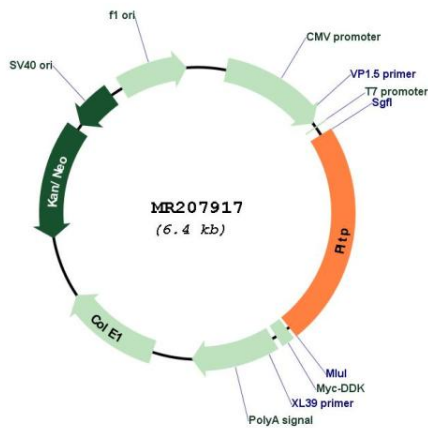
UniProt ID: [P55065](#)

Cytogenetics: 2 85.27 cM

MW: 54.5 kDa

Gene 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]

Product images:



Circular map for MR207917