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Product datasheet for MC216773

Pltp (NM_011125) Mouse Untagged Clone

Product data:

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

View online »

Fully Sequenced ORF:

>MC216773 representing NM_011125
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTCCTGCTCTGGGCCCTCTTCCTAGCGCTCCTGGCAGGTGCCCACGCCGAGCTCCCGGGCTGCAAGA
TCCGCGTCACCTCCGCGGCTCTGGATCTGGTGAAGCAGGAAGGCCTGCGCTTTCTGGAACAAGAGCTGGA
GACCATCACCATCCCAGACGTGTACGGCGCAAAGGGCCACTTTTACTACAATATCTCGGACGTGAGGGTC
ACACAGCTGCACCTGATATCCTCGGAACTCCACTTCCAGCCAGACCAAGATCTGCTGCTGAACATCTCCA
ACGCATCCTTGGGGCTGCACTTCCGGAGGCAGCTACTCTACTGGTTCTTATATGATGGGGGCTACATCAA
TGCCTCGGCGGAGGGTGTGTCCATCCGAACAGGTCTACAGCTCTCCCAGGATTCCAGTGGTCGGATTAAA
GTGTCCAATGTCTCCTGCGAGGCCTCTGTGTCTAAAATGAATATGGCCTTCGGGGGAACCTTCAGGAGGA
TGTATAACTTTTTCTCCACGTTCATCACTTCTGGGATGCGGTTCCTCCTCAACCAGCAGATCTGCCCTGT
GCTCTACCATGCTGGGACGGTGTTGCTCAACTCCCTCCTGGACACAGTGCCCGTGCGCAGTTCTGTGGAT
GATCTCGTGGGCATCGATTACTCCCTTCTGAAGGATCCTGTGGTCTCCAACGGCAACCTGGATATGGAAT
TCCGGGGAGCATTCTTCCCTCTGAAGGAGGACAACTGGAGCCTCCCCAACAGGGCGGTGGAGCCTCAGCT
GGAGGACGACGAGAGGATGGTGTACGTGGCCTTTTCCGAGTTCTTCTTTGACTCTGCCATGGAGAGCTAC
TTCCAGGCTGGAGCGCTGCAGCTGACACTTGTTGGGGACAAGGTGCCGAGTGACCTGGACATGCTTCTGA
GGGCCACCTACTTTGGGAGCATTGTTCTCCTGAGTCCGACAGTGATTAACTCCCCACTGAAGCTGAAGCT
AGAGGCCACGAGCCCTCCACGTTGTACCATCAAGCCGTCAGGCACCACCATCTCCATCACCGCCAGCGTC
ACCATCACCTTGGCCCCGCCCATGTTGCCCGAAGTGGAGCTGTCCAAGATGATCATGGAAGGCCGTCTCA
GTGCTAAGTTGACACTCCGGGGCAAGGCGCTGCGAGTGAAGCTGGACCTTCGAAGGTTTCAAATCTACTC
AAATCAGTCTGCGCTGGAGTCTCTGGCGCTGATCCCACTGCAGGCCCCACTGAAGACACTGCTGCAAATC
GGAGTGATGCCTTTGCTGAACGAGCGTACCTGGCGTGGGGTGCAGATCCCCCTTCCTGAGGGTATCAACT
TCGTGCGTGAGGTGGTGACCAACCACGCGGGCTTCGTCACTGTTGGGGCTGACCTCCACTTTGCCAAAGG
GCTTCGAGAAGTGATTGACAAGAACCGTCCTGCAGACGTTGCGGCCTCCCATGTCCCCCCACCCTCTGCT
GCAGCTGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011125

Insert Size: 1482 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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
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]