

Product datasheet for **SC321522**

PLTP (NM_182676) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLTP (NM_182676) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLTP
Synonyms:	BPIFE; HDLCQ9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_182676.1
 GTCGCCCCGGATCCCCTGAGCTGCCCGCCATCCCACGTGACCGCGCCGCCCCAGCTCCA
 CCGCTGAGCCCGCTCGCCATGGCCCTCTTCGGGGCCCTTCTAGCGCTGCTGGCAGGC
 GCACATGCAGAGTTCCCAGGCTGCAAGATCCGCGTCACCTCCAAGGCGCTGGAGCTGGTG
 AAGCAGGAGGGGCTGCGCTTTCTGGAGCAAGAGCTGGAGACTATCACCATTCCGGACCTG
 CGGGGCAAAGAAGGCCACTTCTACTACAACATCTCTGAGGTGAAGGTACAGAGCTGCAA
 CTGACATCTTCCGAGCTCGATTTCCAGCCACAGCAGGAGCTGATGCTTCAAATCACCAAT
 GCCTCCTTGGGGCTGCGCTTCCGGAGACAGCTGCTCTACTGTTCTTGAAGGTGTATGAT
 TTTCTCTCCACGTTTCATCACCTCAGGGATGCGCTTCTCTCAACCAGCAGATCTGCCCT
 GTCCTCTACCACGCAGGGACGGTCTGCTCAACTCCCTCCTGGACACCGTGCCTGTGCGC
 AGTTCTGTGGACGAGCTTGTGGCATTGACTATCCCTCATGAAGGATCCTGTGGCTTCC
 ACCAGCAACCTGGACATGGACTTCCGGGGGCTTCTTCCCCTGACTGAGAGGAACTGG
 AGCCTCCCAACCGGGCAGTGGAGCCCCAGCTGCAGGAGGAAGAGCGGATGGTGTATGTG
 GCCTTCTCTGAGTCTTCTTCGACTCTGCCATGGAGAGCTACTTCCGGGGGGGGCCCTG
 CAGCTGTTGCTGGTGGGGACAAGGTGCCACAGCTGGACATGCTGCTGAGGGCCACC
 TACTTTGGGAGCATTGTCTGCTGAGCCAGCAGTGATTGACTCCCCATTGAAGCTGGAG
 CTGCGGGTCTGGCCCCACCGCGCTGCACCATCAAGCCCTCTGGCACCACCATCTCTGTC
 ACTGCTAGCGTCAACCATTGCCCTGGTCCCACCAGACCAGCCTGAGGTCCAGCTGTCCAGC
 ATGACTATGGACGCCCGTCTCAGCGCCAAGATGGCTCTCCGGGGGAAGGCCCTGCGCAGC
 CAGCTGGACCTGCGCAGGTTCCGAATCTATTCCAACCATTTCTGCACTGGAGTCGCTGGCT
 CTGATCCCATACAGGCCCTCTGAAGACCATGCTGCAGATTGGGGTGTGCCATGCTC
 AATGAGCGGACCTGGCGTGGGGTGCAGATCCCCTACCTGAGGGCATCACTTTGTGCAT
 GAGGTGGTGACGAACCATGCGGGATTCTCACCATCGGGGCTGATCTCCACTTTGCCAAA
 GGGCTGCGAGAGGTGATTGAGAAGAACCGCCTGCTGATGTCAGGGCGTCCACTGCCCCC
 ACACCGTCCACAGCAGCTGTCTGAGCCCTCAATCCCAAGCTGGCAGCTGTCATTAGGA
 CCCCAACCCCTCTCAGCCCTCTTTTCCACATTCATAGCCTGTAGTGCCCCCTTAACC
 CCCAGTGCCACAGAGAAGACGGGATTTGAAGCTGTACCCAATTTAATCCATAATCAATC
 TATCAATTACAGTCCGTCACCACCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_182676

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_182676.1](#), [NP_872617.1](#)

RefSeq Size: 1589 bp

RefSeq ORF: 1326 bp

Locus ID: 5360

UniProt ID: [P55058](#)

Cytogenetics: 20q13.12

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: PPAR signaling pathway

Gene Summary: 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. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1, resulting in an isoform (b) which has the same N- and C-termini but which is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.