

Product datasheet for **SC323821**

PLTP (NM_006227) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLTP (NM_006227) 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_006227.2
 CGTCGCCCCGATCCCCTGAGCTGCCCGCCATCCCACGTGACCGCGCCGCCCCAGCTCC
 ACCGCTGAGCCCCGCTCGCCATGGCCCTCTTCGGGGCCCTTTCCTAGCGCTGCTGGCAGG
 CGCACATGCAGTGTCCAGGCTGCAAGATCCGCGTCACTCCAAGGCGCTGGAGCTGGT
 GAAGCAGGAGGGGCTGCGCTTTCTGGAGCAAGAGCTGGAGACTATCACCATTCCGGACCT
 GCGGGGCAAAGAAGGCCACTTCTACTACAACATCTCTGAGGTGAAGGTCACAGAGCTGCA
 ACTGACATCTTCCGAGCTCGATTTCCAGCCACAGCAGGAGCTGATGCTTCAAATCACCAA
 TGCTCCTTGGGGCTGCGCTTCCGGAGACAGCTGCTCTACTGGTCTTCTATGATGGGG
 CTACATCAACGCCTCAGCTGAGGGTGTGTCCATCCGCACTGGTCTGGAGCTCTCCCGGA
 TCCCGCTGGACGGATGAAAGTGTCCAATGTCTCCTGCCAGGCCTGTGTCCAGAATGCA
 CGCGGCCCTTCGGGGGAACCTTCAAGAAGGTGTATGATTTTCTCTCCACGTTTATCACCTC
 AGGGATGCGCTTCTCCTCAACCAGCAGATCTGCCCTGTCTCTACCACGCAGGGACGGT
 CCTGCTCAACTCCCTCCTGGACACCGTGCCTGTGCGCAGTTCTGTGGACGAGCTTGTGG
 CATTGACTATTCCTCATGAAGGATCCTGTGGCTTCCACCAGCAACCTGGACATGGACTT
 CCGGGGGGCTTCTTCCCCTGACTGAGAGGAAGTGGAGCCTCCCAACCGGGCAGTGGA
 GCCCAGCTGCAGGAGGAAGAGCGGATGGTGTATGTGGCCTTCTCTGAGTTCTTCTCGA
 CTCTGCCATGGAGAGCTACTTCCGGGCGGGGGCCCTGCAGCTGTTGCTGGTGGGGGACAA
 GGTGCCCCACGACCTGGACATGCTGCTGAGGGCCACTACTTTGGGAGCATTGTCCTGCT
 GAGCCCAGCAGTGATTGACTCCCATTGAAGCTGGAGCTGCGGGTCTGGCCCCACCGCG
 CTGCACCATCAAGCCCTCTGGCACCACCATCTCTGTCACTGCTAGCGTCAACCATTGCCCT
 GGTCCCACAGACCAGCTGAGGTCCAGCTGTCCAGCATGACTATGGACGCCGCTCTCAG
 CGCCAAGATGGCTCTCCGGGGGAAGGCCCTGCGCACGCAGCTGGACCTGCGCAGGTTCCG
 AATCTATTCCAACCATTTGCACTGGAGTGGCTGCTGATCCCATTACAGGCCCTCT
 GAAGACCATGCTGCAGATTGGGGTGATGCCATGCTCAATGAGCGGACCTGGCGTGGGGT
 GCAGATCCCACTACCTGAGGGCATCAACTTTGTGCATGAGGTGGTGACGAACCATGCGGG
 ATTCTCACCATCGGGGCTGATCTCCACTTTGCCAAAGGGCTGCGAGAGGTGATTGAGAA
 GAACCGGCTGCTGATGTGAGGGGCTCCACTGCCCCACACCGTCCACAGCAGCTGTCTG
 AGCCCTCAATCCCAAGCTGGCAGCTGTCATTACAGACCCCAACCCCTCTCAGCCCTCT
 TTTCCACATTCATAGCCTGTAGTGCCCTCTAACCCCAAGTCCACAGAGAAGACGGG
 ATTTGAAGCTGTACCAATTTAATTCATAATCAATCTATCAATTACAGTCCGTCCACCA
 CCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_006227

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_006227.2](#), [NP_006218.1](#)

RefSeq Size: 1745 bp

RefSeq ORF: 1482 bp

Locus ID: 5360

UniProt ID: [P55058](#)

Cytogenetics: 20q13.12

Domains: BPI1

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 (1) encodes the predominant 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.