

Product datasheet for **SC116234**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116234 sequence for NM_006227 edited (data generated by NextGen Sequencing)

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ATGGCCCTCTTCGGGGCCCTCTTCTAGCGCTGCTGGCAGGCGCACATGCAGAGTCCCA
GGCTGCAAGATCCGCGTCACCTCCAAGGCGCTGGAGCTGGTGAAGCAGGAGGGGCTGCGC
TTTCTGGAGCAAGAGCTGGAGACTATCACCATTCCGGACCTGCGGGGCAAAGAAGGCCAC
TTCTACTACAACATCTCTGAGGTGAAGGTCACAGAGCTGCAACTGACATCTTCCGAGCTC
GATTTCCAGCCACAGCAGGAGCTGATGCTTCAAATCACCATGCCTCCTTGGGGCTGCGC
TTCCGGAGACAGCTGCTCTACTGGTTCTTCTATGATGGGGGCTACATCAACGCCTCAGCT
GAGGGTGTGTCCATCCGCACTGGTCTGGAGCTCTCCCGGATCCCCTGGACGGATGAAA
GTGTCCAATGTCTCTGCCAGGCTCTGTCTCCAGAATGCACGCGGCTTCGGGGGAACC
TTCAAGAAGGTGTATGATTTTCTCTCCACGTTTCCACCTCAGGGATGCGCTTCTCCTC
AACCAGCAGATCTGCCCTGTCTCTACCACGCAGGACGGTCTGCTCAACTCCCTCCTG
GACACCGTGCCTGTGCGCAGTTCTGTGGACGAGCTTGTGGCATTGACTATTCCCTCATG
AAGGATCTGTGGCTTCCACCAGCAACCTGGACATGGACTTCCGGGGGGCCTTCTCCCC
CTGACTGAGAGGAACTGGAGCCTCCCCAACCGGGCAGTGGAGCCCAGCTGCAGGAGGAA
GAGCGGATGGTGTATGTGGCCTTCTCTGAGTTCTTCTTGGACTCTGCCATGGAGAGCTAC
TTCCGGGGCGGGGCCCTGCAGCTGTTGCTGGTGGGGGACAAGGTGCCCCACGACCTGGAC
ATGCTGCTGAGGGCCACCTACTTTGGGAGCATTGTCTGCTGAGCCCAGCAGTGATTGAC
TCCCCATTGAAGCTGGAGCTGCGGGTCTGGCCCCACCGCGCTGCACCATCAAGCCCTCT
GGCACCACCATCTCTGTCACTGTAGCGTCACCATTGCCCTGGTCCCACCAGACCAGCCT
GAGGTCCAGCTGTCCAGCATGACTATGGACGCCGTCTCAGCGCAAGATGGCTCTCCGG
GGGAAGGCCCTGCGCACGCAGCTGGACCTGCGCAGGTTCCGAATCTATTCCAACCATTCT
GCACTGGAGTCGCTGGCTGTATCCCATTACAGGCCCTCTGAAGACCATGCTGCAGATT
GGGGTGTATGCCCATGCTCAATGAGCGGACCTGGCGTGGGGTGCAGATCCCACTACCTGAG
GGCATCAACTTTGTGCATGAGGTGGTGACGAACCATGCGGGATTCTCACCATCGGGGCT
GATCTCCACTTTGCCAAAGGGCTGCGAGAGGTGATTGAGAAGAACCAGCCTGCTGATGTC
AGGGCGTCCACTGCCCCACACCGTCCACAGCAGCTGTCTGA
    
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Clone variation with respect to NM_006227.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006227 unedited

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TCAGAATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATCGGCACGAGGGAGCTGC
CCGCCATCCCACGTGACCGCGCCGCCCCAGCTCCACCCTGAGCCCGCTCGCCATGGC
CCTCTTCGGGGCCCTCTTCTAGCGCTGCTGGCAGGCGCACATGCAGAGTCCCAGGCTG
CAAGATCCGCGTCACCTCCAAGGCGCTGGAGCTGGTGAAGCAGGAGGGGCTGCGCTTTCT
GGAGCAAGAGCTGGAGACTATCACCATTCCGGACCTGCGGGGCAAAGAAGGCCACTTCTA
CTACAACATCTCTGAGGTGAAGGTCACAGAGCTGCAACTGACATCTTCCGAGCTCGATT
CCAGCCACAGCAGGAGCTGATGCTTCAAATCACCATGCCTCCTTGGGGCTGCGCTTCCG
GAGACAGCTGCTCTACTGGTTCTTCTATGATGGGGGCTACATCAACGCCTCAGCTGAGGG
TGTGTCCATCCGCACTGGTCTGGAGCTCTCCCGGATCCCCTGGACGGATGAAAGTGTG
CAATGTCTCTGCCAGGCTCTGTCTCCAGAATGCACGCGGCTTCGGGGGAACCTTCAA
GAAGGTGTATGATTTTCTCTCCACGTTTCCACCTCAGGGATGCGCTTCTCCTCAACCA
GCAGATCTGCCCTGTCTCTACCACGCAGGNACGGTCTGCTCAACTCCCTCCTGGACAC
CGTGCCTGTGCGCAGTTCTGTGGACGAGCTTGTGGCATTGACTATTCCCTCATGAAGGA
TCCTGTGGGCTCCACCAGNCACCTGGACATGGACTTCCGNGGGCCCTTTCCCTGAC
TGANAGGAACTGGAGCCTNCCCACCGGGCAGTGGAGCCCCACTGCNAGAGAANAACGNAT
GGTGTATGTGGCCTTCTCTGAGTCTTCTCGATCTGCCT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006227 unedited CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGGTGGTGGACGGACTGTAATTGATA GATTGATTATGGAATTAATTTGGGTACAGCTTCAAATCCCGTCTTCTCTGTGGCACTGGG GGTTAGAGGGGGCACTACAGGCTATGAATGTGGGAAAAGAGGGGCTGAGAGGGGTTGGGG TCCTGAATGACAGCTGCCAGCTTGGGGATTGAGGGCTCAAACAGCTGCTGTGGACGGTGT GGGGCAGTGGACGCCCTGACATCAGCAGGCCGTTCTTCTCAATCACCTCTCGCAGCCC TTTGGCAAAGTGGAGATCAGCCCCGATGGTGAGGAATCCCGCATGGTTCGTCAACACCTC ATGCACAAAGTTGATGCCCTCAGGTAGTGGGATCTGCACCCACGCCAGGTCCGCTCATT GAGCATGGGCATACCCCAATCTGCAGCATGGTCTTCAAGAGGGGCTGTAATGGGATCAG AGCCAGCGACTCCAGTGCAGAATGGTTGGAATAGATTTCGGAACCTGCGCAGGTCCAGCTG CGTGCGCAGGGCCTTCCCCGAGAGCCATCTTGGCGCTGAGACGGGCGTCCATAGTCATG CTGGACAGCTGGACCTCANGCTGGTCTGGTGGGACCAGNNGCATGGTGACGCTAGCAGTG ACAGAGATGGTGGTGCCANAGGGCTTATGGTGCANCGCGTGGGGCCAGAACCCCGCAGC TNCAGCTTCAATGGGGAGTCAATCACTGCTGGGCTCAGCAGGACAATGCTNCCAAAAGTA GTGGCCCTCAACCACATGTCAGNCTCGTGGGGCACCTTGTCCCCACCAGCACAGCTGCA GGCCCCCGCCCGAGTAGCTCTCCATGCAAGTCGAGAAGACTCANAGAGGCCCATACCC ATCGTCTTNTCTGCANTGGGCTCCATGCCCGNTGGGAAGCTCCATTCTTTAGCANGGGA AAAGCCCCGGAGTCATTCAATTCTGTGGAGCCAGATCTCTTAGA
Restriction Sites:	ECORI-NOT
ACCN:	NM_006227
Insert Size:	2060 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:	<ol style="list-style-type: none"> 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.