

Product datasheet for RC232668

PLTP (NM_001242921) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLTP (NM_001242921) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLTP
Synonyms:	BPIFE; HDLCQ9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232668 representing NM_001242921 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTCAAATCACCAATGCCTCCTTGGGGCTGCGCTTCCGGAGACAGCTGCTCTACTGGTTCTTCTATG
ATGGGGGTACATCAACGCCTCAGCTGAGGGTGTGTCCATCCGCACTGGTCTGGAGCTCTCCGGGATCC
CGCTGGACGGATGAAAGTGTCCAATGTCTCCTGCCAGGCCTGTCTCCAGAATGCACGGCGCCTTCGGG
GGAACCTTCAAGAAGGTGTATGATTTTCTCTCCAGTTTCATCACCTCAGGGATGCCGTTCTCTCTCAACC
AGCAGATCTGCCCTGTCTCTACCACGCAGGGACGGTCTGTCTCAACTCCCTCTGGACACCGTGCCTGT
GCGCAGTCTGTGGACGAGCTTGTGGCATTGACTATTCCTCATGAAGGATCCTGTGGCTTCCACCAGC
AACCTGGACATGGACTTCCGGGGGGCCTTCTTCCCTGACTGAGAGGAACTGGAGCCTCCCAACCGGG
CAGTGGAGCCCCAGCTGCAGGAGGAAGAGCGGATGGTGTATGTGGCCTTCTCTGAGTTCTTCTCGACTC
TGCCATGGAGAGCTACTTCCGGGCGGGGCCCTGCAGCTGTTGCTGGTGGGGACAAGGTGCCCCACGAC
CTGGACATGCTGCTGAGGGCCACCTACTTTGGGAGCATTGTCTGCTGAGCCCAGCAGTGATTGACTCCC
CATTGAAGCTGGAGCTGCGGGTCTGGCCCCACCGCCTGCACCATCAAGCCCTTGGCACCACCATCTC
TGTCACTGCTAGCGTCACCATTCCTGGTCCCACAGACCAGCCTGAGGTCCAGCTGTCCAGCATGACT
ATGGACGCCCGTCTCAGCGCAAGATGGCTCTCCGGGGGAAGGCCCTGCGCACGCAGCTGGACCTGCGCA
GGTTCCGAATCTATTCCAACCTTCTGCACTGGAGTCGCTGGCTCTGATCCCATTACAGGCCCTCTGAA
GACCATGCTGCAGATTGGGGTGTGCCATGCTCAATGAGCGGACCTGGCGTGGGGTGCAGATCCCCTA
CCTGAGGGCATCAACTTTGTGCATGAGGTGGTACGAACCATGCGGGATTCTCACCATCGGGGCTGATC
TCCACTTTGCCAAAGGGCTGCGAGAGGTGATTGAGAAGAACCGGCCTGCTGATGTCAGGGCGTCCACTGC
CCCCACACCGTCCACAGCAGCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC232668 representing NM_001242921
Red=Cloning site Green=Tags(s)

MLQITNASLGLRFRRLLYWFFYDGGYINASAEGVSIRTGLELSRDPAGRMKVSINVSCQASVSRMHAAFG
 GTFKKVYDFLSTFITSGMRFLNQQICPVL YHAGTVLLNSLLDTPVVRSSVDEL VGDIDSLMKDPVASTS
 NLDMDFRGAFFPLTERNWSPNRAVEPQLQEERMVYVAFSEFFFD SAMESYFRAGALQLLLVGDKVPHD
 LDMLLRATYFGSIVLLSPAVIDSPLKLELRVLAPPRCTIKPSGTTISVTASVTIALVPPDQPEVQLSSMT
 MDARLSAKMALRGKALRTQLDLRRFRIYSNHSALSLAL IPLQAPLKTMLQIGVMPMLNERTWRGVQIPL
 PEGINFVHEVVTNHAGFLTIGADLHFAKGLREVIEKNRPADVRASTAPTPTSTAAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

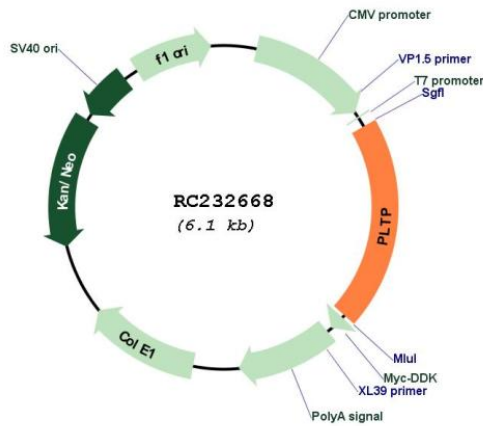
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001242921

ORF Size:	1215 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:	<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_001242921.1 , NP_001229850.1
RefSeq Size:	1727 bp
RefSeq ORF:	1218 bp
Locus ID:	5360
UniProt ID:	P55058
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	PPAR signaling pathway
MW:	45.3 kDa
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]