

Product datasheet for RC232656

PLTP (NM_001242920) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLTP (NM_001242920) 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:	>RC232656 representing NM_001242920 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCTCTTCGGGGCCCTCTTCTAGCGCTGCTGGCAGGCGCACATGCAGAGTCCCAGGCTGCAAGA
TCCGCGTCACCTCAAGGCGCTGGAGCTGGTGAAGCAGGAGGGGCTGCGCTTTCTGGAGCAAGAGCTGGA
GACTATACCACTCCGGACCTGCGGGGCAAAGAAGGCCACTTCTACTACAACATCTCTGAGAAGGTGTAT
GATTTTCTCTCCAGTTCATCACCTCAGGGATGCGCTTCCTCCTCAACCAGCAGATCTGCCCTGTCTCT
ACCACGCAGGGACGGTCTGCTCAACTCCCTCCTGGACACCGTGCTGTGCGCAGTTCTGTGGACGAGCT
TGTTGGCATTGACTATCCCTCATGAAGGATCCTGTGGCTTCCACCAGCAACCTGGACATGGACTCCGG
GGGGCCTTCTTCCCCTGACTGAGAGGAACTGGAGCCTCCCAACCGGGCAGTGGAGCCCCAGCTGCAGG
AGGAAGAGCGGATGGTGTATGTGGCCTTCTCTGAGTTCTTCTCGACTCTGCCATGGAGAGCTACTCCG
GGCGGGGGCCCTGCAGCTGTTGCTGGTGGGGACAAGGTGCCCCAGCAGCTGGACATGCTGCTGAGGGCC
ACCTACTTTGGGAGCATTGCTCTGCTGAGCCCAGCAGTGATTGACTCCCCATTGAAGCTGGAGCTGCGGG
TCCTGGCCCCACCGCGCTGCACCATCAAGCCCTTGGCACCACCATCTCTGTCACTGCTAGCGTCACCAT
TGCCCTGGTCCCACCAGACCAGCCTGAGGTCCAGCTGTCCAGCATGACTATGGACGCCCGTCTCAGCGCC
AAGATGGCTCTCCGGGGAAAGCCCTGCGCACGACGCTGGACCTGCGCAGGTTCCGAATCTATTCCAACC
ATTCTGCACTGGAGTCGCTGGCTCTGATCCATTACAGGCCCTCTGAAGACCATGCTGCAGATTGGGGT
GATGCCCATGCTCAATGAGCGGACCTGGCGTGGGGTGCAGATCCCCTACCTGAGGGCATCAACTTTGTG
CATGAGGTGGTACGAACCATGCGGGATTCTCACCATCGGGGCTGATCTCCACTTTGCCAAAGGGCTGC
GAGAGGTGATTGAGAAGAACCGGCTGCTGATGTAGGGCGTCCACTGCCCCACACCGTCCACAGCAGC
TGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232656 representing NM_001242920
Red=Cloning site Green=Tags(s)

MALFGALFLALLAGAHAEFFPGCKIRVTSKALELVKQEGLRFLEQELETITIPDLRGKEGHFYNNISEKVY
 DFLSTFITSGMRFLNQQICPVLVYHAGTVLLNSLLDTPVPRSSVDELVGIDYSLMKDPVASTSNLDMDFR
 GAFFPLTERNWSPNRAVEPQLQEEERMYVAVSEFFFDAMESYFRAGALQLLLVGDKVPHDLMLLRA
 TYFGSIVLLSPAVIDSPLKLELRVLAPPRCTIKPSGTTISVTASVTIALVPPDQPEVQLSSMTMDARLSA
 KMALRGKALRTQLDLRRFRIYSNHSALSLALIPLQAPLKTMLQIGVMPMLNERTWRGVQIPLPEGINFV
 HEVVTNHAGFLTIGADLHFAKGLREVIEKNRPADVRASTAPTSTAAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

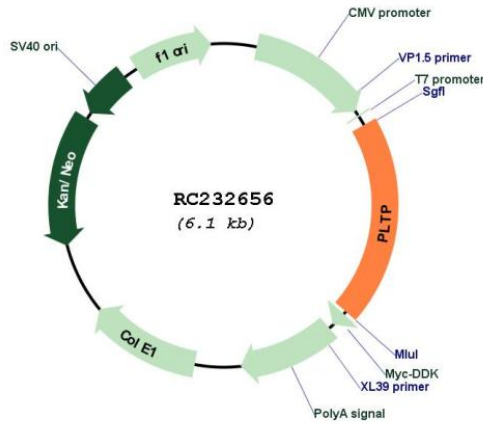
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001242920

ORF Size:	1194 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_001242920.1 , NP_001229849.1
RefSeq Size:	1815 bp
RefSeq ORF:	1197 bp
Locus ID:	5360
UniProt ID:	P55058
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	PPAR signaling pathway
MW:	44.6 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]