

Product datasheet for **RG232668**

PLTP (NM_001242921) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLTP (NM_001242921) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLTP
Synonyms:	BPIFE; HDLCQ9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232668 representing NM_001242921 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCAAATCACCAATGCCTCCTTGGGGCTGCGCTTCCGGAGACAGCTGCTCTACTGGTTCTTCTATG
ATGGGGGTACATCAACGCCTCAGCTGAGGGTGTGCCATCCGCACTGGTCTGGAGCTCTCCGGGATCC
CGCTGGACGGATGAAAGTGTCCAATGTCTCCTGCCAGGCCTGTCTCCAGAATGCACGGCCCTTCGGG
GGAACCTCAAGAAGGTGTATGATTTTCTCTCCACGTTTCATCACCTCAGGGATGCGCTTCTCCTCAACC
AGCAGATCTGCCCTGTCTCTACCACGCAGGGACGGTCTGCTCAACTCCCTCCTGGACACCGTGCCTGT
GCGCAGTTCTGTGGACGAGCTTGTGGCATTGACTATTCCTCATGAAGGATCCTGTGGCTTCCACCAGC
AACCTGGACATGGACTTCCGGGGGGCCTTCTTCCCTGACTGAGAGGAACTGGAGCCTCCCAACCGGG
CAGTGGAGCCCCAGCTGCAGGAGGAAGAGCGGATGGTGTATGTGGCCTTCTCTGAGTTCTTCTTCTGACTC
TGCCATGGAGAGCTACTTCCGGGCGGGGCCCTGCAGCTGTTGCTGGTGGGGACAAGGTGCCCCACGAC
CTGGACATGCTGCTGAGGGCCACCTACTTTGGGAGCATTGTCTGCTGAGCCCAGCAGTGATTGACTCCC
CATTGAAGCTGGAGCTGCGGGTCTGGCCCCACCGCGTGCACCATCAAGCCCTCTGGCACCACCATCTC
TGTCAGTCTAGCGTCACCATTGCCCTGGTCCCACCAGACCAGCCTGAGGTCCAGCTGTCCAGCATGACT
ATGGACGCCCGTCTCAGCGCCAAGATGGCTCTCCGGGGGAAGCCCTGCGCAGCAGCTGGACCTGCGCA
GGTTCCGAATCTATTCCAACCTTCTGCACTGGAGTCGCTGGCTGATCCCATTAACAGGCCCTCTGAA
GACCATGCTGCAGATTGGGGTGTGCCATGCTCAATGAGCGGACCTGGCGTGGGGTGCAGATCCCACTA
CCTGAGGGCATCAACTTTGTGCATGAGGTGGTACGAACCATGCGGGATTCTCACCATCGGGGCTGATC
TCCACTTTGCCAAGGGCTGCGAGAGGTGATTGAGAAGAACCAGCCTGCTGATGTCAGGGCGTCCACTGC
CCCCACACCGTCCACAGCAGCTGTC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

Protein Sequence: >RG232668 representing NM_001242921
 Red=Cloning site Green=Tags(s)

MLQITNASLGLRFRRLLYWFFYDGGYINASAEGVSIRTGLELSRDPAGRMKVSINVSCQASVSRMHAAFG
 GTFKKVYDFLSTFITSGMRFLNQQICPVL YHAGTVLLNSLLDTPVVRSSVDEL VGDIDSLMKDPVASTS
 NLDMDFRGAFFPLTERNWSLPNRAVEPQLQEERMVYVAFSEFFDSAMESYFRAGALQLLLVGDKVPHD
 LDMLLRATYFGSIVLLSPAVIDSPLKLELRVLAPPRCTIKPSGTTISVTASVTIALVPPDQPEVQLSSMT
 MDARLSAKMALRGKALRQLDLRRFRIYSNHSALLESAL IPLQAPLKTMLQIGVMPMLNERTWRGVQIPL
 PEGINFVHEVVTNHAGFLTIGADLHFAGLREVIKRNRPADVRASTAPTPTSTAAV

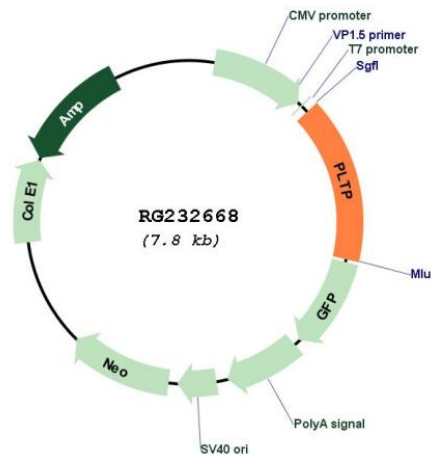
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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
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]