

Product datasheet for **RG202925**

PLTP (NM_182676) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLTP (NM_182676) 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: >RG202925 representing NM_182676
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTCTTCGGGGCCCTCTTCTAGCGCTGCTGGCAGGCGCACATGCAGAGTCCCAGGCTGCAAGA
 TCCGCGTCACCTCCAAGGCGCTGGAGCTGGTGAAGCAGGAGGGGCTGCGTTTCTGGAGCAAGAGCTGGA
 GACTATCACCATCCGGACCTGCGGGGCAAGAAGGCCACTTCTACTACAACATCTCTGAGGTGAAGGTC
 ACAGAGCTGCAACTGACATCTTCCGAGCTCGATTTCCAGCCACAGCAGGAGCTGATGCTTCAATCACCA
 ATGCCTCCTTGGGGCTGCGCTTCCGGAGACAGCTGCTCTACTGGTCTTGAAGGTGATGATTTTCTCTC
 CAGTTTCATCACCTCAGGGATGCGCTTCCCTCCTCAACCAGCAGATCTGCCCTGTCCTTACCACGCAGGG
 ACGGTCCTGCTCAACTCCCTCCTGGACACCGTGCCTGTGCGCAGTTCTGTGGACGAGCTTGTGGCATTG
 ACTATCCCTCATGAAGGATCCTGTGGCTTCCACCAGCAACCTGGACATGGACTTCCGGGGGGCCTTCTT
 CCCCTGACTGAGAGGAACTGGAGCCTCCCAACCGGGCAGTGGAGCCCCAGCTGCAGGAGGAAGAGCGG
 ATGGTGTATGTGGCCTTCTCTGAGTTCTTCTCGACTCTGCCATGGAGAGCTACTTCCGGCGGGGGCCC
 TGCAGCTGTTGCTGGTGGGGACAAGGTGCCCCACGACCTGGACATGCTGCTGAGGGCCACTACTTTGG
 GAGCATTGCTCTGCTGAGCCCAGCAGTGATTGACTCCCCATTGAAGCTGGAGCTGCGGGTCTGGCCCCA
 CCGCGTGCACCATCAAGCCCTCTGGCACCACCATCTCTGTCACTGCTAGCGTCACCATGGCCTGGTCT
 CACCAGACCAGCCTGAGGTCCAGCTGTCCAGCATGACTATGGACGCCGCTCAGCGCCAAGATGGCTCT
 CCGGGGAAGGCCTGCGCACGAGCTGGACCTGCGCAGGTTCCGAATCTATTCCAACCATCTGCACTG
 GAGTCGCTGGCTCTGATCCCATTACAGGCCCTCTGAAGACCATGCTGCAGATTGGGGTATGCCCATGC
 TCAATGAGCGGACCTGGCGTGGGGTGCAGATCCCCTACCTGAGGGCATCAACTTTGTGCATGAGGTGGT
 GACGAACCATGCGGGATTCTCACCATCGGGGCTGATCTCCACTTGGCCAAAGGGCTGCGAGAGGTGATT
 GAGAAGAACCGGCTGCTGATGTCAGGGCTCCACTGCCCCACACCGTCCACAGCAGCTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202925 representing NM_182676
 Red=Cloning site Green=Tags(s)

MALFGALFLALLAGAHAEFPGCKIRVTSKALELVKQEGLRFLQELETITIPDLRGKEGHFYNNISEVKV
 TELQLTSSSELDFOQQELMLQITNASLGLRFRQLLYWFLKVYDFLSTFITSGMRFLNQQICPVLVYHAG
 TVLLNSLLDTPVVRSSVDELVGIDYSLMKDPVASTSNLDMDFRGAFFPLTERNWSPNRAVEPQLQEEER
 MYYVAFSEFFFDAMESYFRAGALQLLLVGDKVPHDLDMLLRATYFGSIVLLSPAVIDSPLKLELRVLAP
 PRCITKPSGTTISVTASVTIALVPPDQPEVQLSSMTMDARLSAKMALRGKALRTQLDLRRFRIYSNHSAL
 ESLALIPLQAPLKTMLQIGVMPMLNERTWRGVQIPLPEGINFVHEVVTNHAGFLTIGADLHFAKGLREVI
 EKNRPADVRASTAPTSTAAV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_182676

ORF Size: 1323 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:

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_182676.2](#)

RefSeq Size: 1589 bp

RefSeq ORF: 1326 bp

Locus ID: 5360

UniProt ID: [P55058](#)

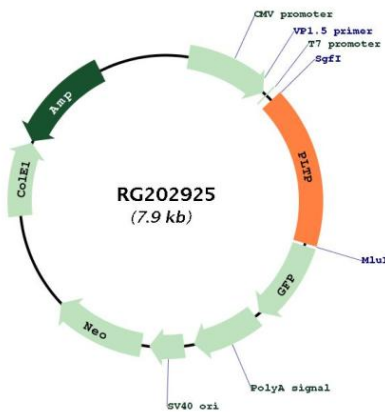
Cytogenetics: 20q13.12

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]

Product images:



Circular map for RG202925