

Product datasheet for **RN206357**

Plb1 (NM_138898) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plb1 (NM_138898) Rat Untagged Clone
Tag: Tag Free
Symbol: Plb1
Synonyms: Phlpb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206357 representing NM_138898
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCATGGCCAGGCGTTTCCCTGGTGGGACTGCTGCTGCTACTGCTGGGACAAGGGCCCTCCC
AAATCCACGGCTCTTCTGGAGAAAACACATCGCAGCCCCAGCAAGTGTTCGGACCCTGAAGAATTTTTTC
ATTCCTTGCAAGCCAAAGAAGTTAGAAGTGTGCTTTCTAAGTCAGTTCACCTCTGAGACCCCTCA
GACATTAAGTCTGGCAGCCATCGGCAACCTAGAACTCCTCCAGCCCTGGCTCAGGCGTGGTCAACA
TGAGAAAACCTCAAAGCCTCGAGAGCGAACTACAGAATGTGTGCATAGGAATCATGACAGCCCTTCAGA
TATCATCAGACATTTCAACCTTCTGTTCTGATGCCACGTTTCTCCTGGGAAGGGTACTGCAGGCCAC
ACTACTATTGCCGAAGACTTGTGGATTCAAGGCTAAAGAGCTGGTGGGATCTGAAAGACAACCCGGAAC
TTGATTTTGAGAAGGACTGGAACTCATCACTGTGCTTTCAGTAACACAAGCCAGTGCCACCTGTGTT
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CGTGAGGTCCCCAGAGCGTTTGTGAATTTGGTGGATCTCTGAGGTTTTGACCATGGCTCAGCAGCATC
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ACCTTCGCTGTGGTTTTCCAGTCTTTCTCTCTGAGGTAGAAGTACCCTGGAGAGGCCCTCGCCCCAGG
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CATCGGAGCCATGGTGACTCGCTCACGGCAGGCAACGGGGCAGGGTCCAGCCCTGGGAATGTCTGGAT
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TCCCCGAGCATCCTTCAACCAGGCCGTAGCAGGAGCCAAATCTGATGGCTTAGCTGCCAGGCCAAAAG
CTGGTGAGCCTGATGAAGGATGACAAGACAATAAACTTTCAGGAAGACTGGAAGATAACTACTGTGTTTA



TAGGAGGCAACGACCTCTGTGGCTCCTGCAATAACCTGGCTCGCTTTTCTCCCCAACCTTCACAGACAA
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 GAGATCACCCCTTGAGAGAAGTGTCAATGAACCTAAAGTCAGCTGCCACGGATGATCCTCAGGAGCC
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 GTATCAGGAAGAACTGGAAAAGTATTGAGAGTGGCCGATACGACACCAGGGATGACTTCACCGTGGTC
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 AAGCCCCCTCTGCCTCACCACCAACCTCAGTGCATACCCTGAGACCTGCAGACATCCAAGTGTGGCAGC
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 TCCTCCGGGAATTAATGGAATCTCACAGGCTACTCAGTCGGAACCGGTGACGCAACTCTGCAAGCGC
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 TAGCATGCTTCAACTGGTTGAGTCAGGCCGCTACGACACCCGGGAGGATTTCTCTGTGGTACTGCAGCCC
 TTTCTCTCAACATCAGGCTCCCATCTAGAGAATGGGAATCCAGATACATCTTCTTTGCCCCAGACT
 GCATCCTCCTAAGCCAGAAGTCCACACTCAGCTCGCGAGAGCCCTTTGGGCAATATGCTGAACCCCT
 GGGAAAGAAAATGGATACTTTGGACCCGAAAGAAGTCAAGTTCAGCTTGGCCCTGCCCAAGCAAGGCC
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 CATCAAGGTGGTGGCAGCAATGGGTGACTTTCTGACGACAGCCACCGGAGCTCGACCAAGTGAAGTCCAGC
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 CACTGCCAACATCCTGAAGAAGTTCACCCCTCCATCCTTGGATTCTCCACCGGTACCCTGGAGAACAC
 GGCAGGATTAATGTGGCAGAAGAAGGCCAGAGCTCAGGACATGCCGGCCAGGCTCAGGCCCTGGT
 AAGAAGATGAAAAGCACCCCTACAATCAACATACAGGAAGACTGGAAGCTGATTACTCCTCATCGGGA
 ACAACGACTGTGCTTTACTGTGAGGATCCGGAGAAGTCAACCAGGGAGTATGTCAAGTACATCCA
 GCATGCCTTGGACATCTTCTATGAGGAGCTTCCAGGGTTTTATCAACGTGGTGAAGTATGGAGCTG
 TCCGGTGTGCTCCAGCAGCCAGGGCGGAAATGTGCCATGCCGTTGGCTGTCCAGAAAACTGCAGTTGCC
 TTAACCGTCTCAAAACCTCATGGCAATGCAGGAGCTGAAGAAAGTCAACGGGAACCTCCAGAGTGCCT
 CTCGGAGCTCTCCTACTGGCATCGGTACATGCAGCGTGAAGACTTTGCAGTCACTGTCCAGCCTTTCTT
 CGGAATACCTTTGTCCACTGGATGAGCGTGGGGGCTCGACCTCACTTTCTTCTCTGAAGACTGTTTCC
 ACTTCTCAGTCCGTGGGCATGCTGAGATGGCCATTGCCCTCTGGAACAACATGCTGGAACAGTGGGCAA
 GAAGACAACCTCCAATAACTTACATACAACCCGACCAAACTCAAGTGTCCCTCGCCTGAAAACCCCTTTC
 CTCTACACTGTCCGGAACAGTCAAGTCTTCTAGACAAGGCTAAAGAAAACCTCAATACACTCTACTGGG
 CAGTGCCAGTGGCTGCAGTGGTGGCCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG
 ACTCGTCCAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_138898
Insert Size: 4353 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:	<u>NM_138898.1, NP_620253.1</u>
RefSeq Size:	4590 bp
RefSeq ORF:	4353 bp
Locus ID:	192259
UniProt ID:	<u>O54728</u>
Cytogenetics:	6q14
Gene Summary:	exhibits broad lipolytic activities (PLA2, lysophospholipase, and lipase activities); may mediate terminal digestion, or membrane digestion, of dietary lipids and biliary phospholipids [RGD, Feb 2006]