

Product datasheet for **SC125948**

Phospholipase A2 (PLB1) (BC065041) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phospholipase A2 (PLB1) (BC065041) Human Untagged Clone
Tag:	Tag Free
Symbol:	Phospholipase A2
Synonyms:	hPLB; PLB; PLB/LIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC065041 edited
 CAGCTCTGCTCCTGGCTGGCTGGGCCCCACCTCAACCTCTGCTGTGCAGCTTTTCCTTCTA
 GGAGAGATGGAGCCAGCAGGAGAGAAAAGATGAGCCATTGAGTGTAAAACACGGGAGGCCA
 ATGAAGTGTCCCTCTCAGGAGAGCCCTATCTGTTCAGCTACAGAAACAGCAACTACCTG
 ACCAGACTGCAGAAACCCCAAGCAAGCTTGAGGTAAGAGAAGGAGCGGAAATCAGATGT
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 GCTGTGGCAGGAGCCGAGCTGAGGATCTACCTGTCCAGGCCAGGAGGCTGGTGGACCTG
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 ACAGACAACATTGGAAAGGCCCTGGACATCCTCCATGCTGAGGTTCTCGGGCATTGTG
 AACCTGGTGACGGTGCTTGAGATCGTCAACCTGAGGGAGCTGTACCAGGAGAAAAAGTC
 TACTGCCAAAGGATGATCCTCAGGTCTCTGTGTCCCTGTGTCTGAAGTTTGATGATAAC
 TCAACAGAATTGCTACCCTCATCGAATTCAACAAGAAGTTTCAGGAGAAGACCCACCA
 CTGATTGAGAGTGGGCGATATGACACAAGGGAAGATTTACTGTGTTGTGCAGCCGTTCT
 TTTGAAAACGTGGACATGCCAAAGACCTCGGAAGGATTGCCTGACAACCTTTTCTCGT
 CCTGACTGTTTCCACTTCAGCAGCAAGTCTCACTCCCAGCAGCCAGTGTCTCTGGAAC
 AATATGCTGGAGCCTGTTGGCCAGAAGCAGACTCGTCATAAAGTTTGAAAACAAGTCAAT
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 AGGAAATGCACCAGAAAAGCACCAATCCCTGAATCTTACCTCCCCGCTTGCATGTATA



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TGTGTACACGTGGTTCCTACGTCTCTGTTTACTGTCTTTATGTGTTTATTCATGTTGT
 CTTGTAGTCACACAGCTGCCTTTACATATATGTACACATCTGCACAGAAAACCTCTGAAA
 CCCATCGCACACTTCGAGAGGCCATAACCAAGACACAATCACAATCAGCCATGTCTTGAA
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 AAGCTCAGGGTGTGTGAGGCGAGCGTTGCGTGTAGATATTCTCAAGTTTCTTTCTCTCC
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 GTGACAGGGAGCAGGGAGGGGGTATCAAGACTGAAGTTCTCTGGCCAGACCTGAGCAG
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 CCCACAACGAGGACCTAGGTTGTCCTTAGCATGAGGACATCAACCTCTCAAGAACAGAGG
 TCAGTGCCTTCTGCGCAAGGTCCTGCGTTTCCACAAGTCCTTGGTCAGGTACCTGGT
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 TGTGCTCAAAGTGTGTTCCATGGAACATTAACCTCCAGACTGTTCTGGAGAAGAGAAA
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 ATTAGCATATTAAGGCTCTCATAAGGCCTGCAATGCAGAAATCTATTTAAGTTTATCT
 GTTTAACCAATGTTTCCCTAATTCCAGAACATTTTCTTTGTTTACACCTGTTAAC
 ACCTCCTGAAAGTGTTCACGTAGTAGACTTATCTGAGAAAAGCAATTTTTGAGCCGTTAA
 AGCTTCTAGATTGGACAACTAGGCAATTAATGATACTAGATCAATTCAGAATGCAATTT
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 CTGTGAATATTTCCAAGGCCCTTGACCTGTGAGATTCTGTAGTGAACGGTTCCAGCTTT
 GGCCAGCTTAACAATGTGCTGGGCCCAAGGCTTGAGAGCATTGCCTTTTCTTCCATTG
 AAATAAGTTGCTTGTGTTGGGACCATTCAAAGGATCAAAAATAAAATTTACTTCCAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

BC065041

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:

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: [BC065041.1](#), [AAH65041.1](#)

RefSeq Size: 3565 bp

RefSeq ORF: 1467 bp

Locus ID: 151056

Cytogenetics: 2p23.2

Protein Families: Transmembrane

Gene Summary: This gene encodes a membrane-associated phospholipase that displays lysophospholipase and phospholipase A2 activities through removal of sn-1 and sn-2 fatty acids of glycerophospholipids. In addition, it displays lipase and retinyl ester hydrolase activities. The encoded protein is highly conserved and is composed of a large, glycosylated extracellular domain composed of four tandem homologous domains, followed by a hydrophobic segment that anchors the enzyme to the membrane and a short C-terminal cytoplasmic tail. This gene has been identified as a candidate rheumatoid arthritis risk gene. [provided by RefSeq, Jul 2016]