

## Product datasheet for **SC101133**

### PLBD2 (NM\_173542) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PLBD2 (NM_173542) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLBD2
Synonyms:	P76
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_173542, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGGCCAGATGTACTGCTACCCCGGCAGCCACCTGGCCCGGGCGCTGACGCGGGCGCTGGCGCTGG
CCCTGGTGTGGCCCTGCTGGTGGGCCGTTCTGAGCGGCCTGGCGGGGGCGATCCCAGCGCCGGGGGG
CGCTGGGCGCGGATGGGCAGGTCCTCCAGCCTCCCGCAGCCGCTCGTGTCTCTGGAGTCTCGGCG
GGCCAGCTGCTTATGGTGGACGGACGCCACCTGACGCCGTGGCCTGGGCCAACCTCACCACGCCATCC
GCGAGACTGGGTGGCCCTTCTGGAGCTGGGCACAAGTGGCCAATAACAATGACAGCTTGCAGGCCTATGC
AGCCGGTGTGGTGGAGGCTGCTGTGTCGGAGGAGCTCATCTACATGCACTGGATGAACACGGTGGTGAAT
TACTGCGGCCCTTCGAGTATGAAGTCGGCTACTGCGAGAGGCTGAAGAGCTTCTGGAGGCCAACCTAG
AGTGGATGCAGGAAGAGATGGAGTCAAACCCAGACTCACCTTACTGGCACCAGGTGCGGCTGACCCTCT
GCAGCTGAAAGGCCTGGAGGACAGCTACGAAGGCCGTGTAGCTTCCAGCTGGGAAGTTCACCATCAA
CCCTTGGGTTCTCTGCTGCAGCTCTCTGGGACCTGGAAGACCTGGAGCTGGCCCTGAAACAAGACCA
AGATCAAACCTTCTCTGGGCTCTGGCTCTGTTCTGCCCTCATCAAGCTGCTCCCTGGCCAGAGTGACCT
CCTGGTTGCCACAACACTGGAACAACCTACCAGCACATGCTGCGTGTCAAGAAAGTACTGGCTCCAG
TTCGGGAAGGCCCTGGGGGGACTACCCGCTGGTTCGGCAACAAGCTGGTCTTCTCCTACCCCG
GCACCATCTTCTCCTGCGACGACTTCTACATCCTGGGCAGTGGGCTGGTGAAGTGGAGACCACCATTTGG
CAACAAGAACCAGCCCTGTGGAAGTATGTGCGGCCAGGGGCTGTGTCTGGAGTGGGTACGCAACATC
GTGGCCAAACCGCTGGCCTCGGATGGGGCCACCTGGGCAGACATCTTCAAGAGTTCAACAGCGGCACGT
ATAACAACCAGTGGATGATCGTGGACTACAAGCGTTCATCCCGGTGGGCCAGCCCGGGAGCCGGGT
GCTTACCATCCTGGAGCAGATCCCCGGCATGGTGGTGGTGGTGAACAAGACCTCGGAGCTTACCAGAAG
ACCTACTGGGCCAGTACAACATACCGTCTTCGAGACTGTGTTCAATGCCAGTGGGCTGCAGGCCCTAG
TGGCCCCAGTATGGGGACTGGTTTTCTTATGACGGGAGCCCCGGGCCAGATCTTCGGCGGAACCAAGTC
ACTGGTACAAGACATGGACTCCATGGTCAAGGCTGATGAGGTACAATGACTTCTCCATGACCCTCTGTCA
CTGTGCAAAGCCTGCAACCCCCAGCCCAATGGGGAGAATGCTATCTCCGCCCGCTCCGACCTCAACCCGG
CCAATGGCTCTACCCCTTCCAGGCCCTGCGTCAGCGCTCCATGGGGGTATCGATGTGAAGGTGACCAG
CATGTCACTGGCCAGGATCCTGAGCCTGCTGGCGGCCAGCGTCCACGTGGGACCAGGTGCCCCGTTTC
CAGTGGAGCACCTCGCCCTTCCAGCGCCTGCTGCACATGGGCCAGCCAGACCTCTGGAAGTTCGCGCCTG
TCAAGGTTTCATGGGACTGA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_173542 unedited

```

TTCAAATTTTGAATACGACTCACTATAGGGCGGCCGCGACTTCGGCACGAGGGCGGTCA
TGGTGGGCCAGATGTACTGCTACCCCGGCAGCCACCTGGCCCGGGCGCTGACGCGGGCGC
TGGCGCTGGCCCTGGTGTGGCCCTGCTGGTGGGCCGTTCTGAGCGGCCTGGCGGGG
CGATCCCAGCGCCGGGGGGCCGCTGGGGCGCGATGGGCAGTCCCTCCAGCCTCCCGCA
GCCGCTCGGTGCTCCTGGACGTCTCGGCCGGCCAGCTGCTTATGGTGGACGGACGCCACC
CTGACGCCGTGGCCTGGGCCAACCTCACCAACGCCATCCGCGAGACTGGGTGGCCCTTCC
TGGAGCTGGGCACAAGTGGCCAATAACAATGACAGCTTGCAGGCCTATGCAGCCGTGTGG
TGGAGGCTGCTGTGTCGGAGGAGCTCATCTACATGCACTGGATGAACACGGTGGTGAATT
ACTGCGGCCCTTCGAGTATGAAGTCGGCTACTGCGAGAGGCTGAAGAGCTTCTGGAGG
CCAACCTAGAGTGGATGCAGGAAGAGATGGAGTCAAACCCAGACTCACCTTACTGGCACC
AGGTGCGGCTGACCCTCCTGCAGCTGAAAGGCCTGGAGGACAGCTACGAAGGCCGTGTA
GCTTCCCAGCTGGGAAGTTCACCATCAAACCTTGGGGTTCTCTGCTGCAGCTCTCTG
GGGACCCTGGAAGACCTGGAGCTGGCCCTGAACAAGACCAAGATCAAACCTTCTCTGGGC
TCTGGCTCCTGTTCTGCCCTCATAAGCTGCTCCTGGNCAGAGTGACCTCCTGGTTGCCAC
AACACCTGGGACACTACCAGCCATGCTGCGTGTCAAGAAACTGGCTNCANTCCCGG
GAGGGCCCTGGGGGACTACCCGCTGGTTCGGGCACAAGCTGGTCTTTTCTACCCGGAC
N
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_173542 unedited CTANGATACGGTTTTTTTTTTTTTTTTTTTTTTGGCCACAGCCGCTCTTGTTTAATGGTGGCAC AGGGTGCGGTCTGGTTCCATCAAGGCGCTGTGGGTATGGCCCTGAGGTGAGGGGCAA GCCTGGGGTGGGGTGGGGTGGGGCTGAGGCAAAAGCATGGGGGCTGACCCTCTGCCTGA CATGGAGAGAGGACATTCAGAACCCTCCAGCCACAGATGGGCAGAACTTTGGTTTGTGT TTGTTTTCAAGTTTCTGTCTCAAGGAAGCTGCCAGAAAAGGAGACGAGGGGACTGCTT CCTGAGGGAGCAGAAGGGCCAGAGCTGGGAGGAGCAATGCCAGCCGAAGACAACGCCAG ACAAAGCTCACCAGCTCCAGGGCCACCCGTGGGAATGCAGCTGGGAGAAAAGGTGCTGGAA CAGGCTCCTTCCACCCATGGGAGCCCCAGAGTCTGCCCAAGACCTTCCCAAACCTCA GGAAGGAGAAGCACGAGGAAAAGGGCCCCAGAAGTGGGAATGAGGTTGAGAGAGCAGCAGT AGGAAACAGACAGAAACAGAGAGTGGGAGATTTAAGGCAGGGCAGAAGATACGCCACGGT GCCCACCCACCTCGGGGAGAGAGGGGGTCAGTTCTGAGCCCCATCAAGTTCGTGACCCA CTCTAGGAGGAGATGACTCAGACCCAGATCAGAGAACGAAGCCCCGNAGAGGGCTGGA GTTAGAAATCCGGTGGCCTTGGGACGGGGTGACCCTGACGAGGGTCANCAGGGGCGAAA GCACAGAACAGGGACAGAACTTCAGTCCCATGAAACCTTGACAGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_173542
<b>Insert Size:</b>	2750 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_173542.2</a></u> , <u><a href="#">NP_775813.1</a></u>
<b>RefSeq Size:</b>	2584 bp
<b>RefSeq ORF:</b>	1770 bp
<b>Locus ID:</b>	196463
<b>UniProt ID:</b>	<u><a href="#">Q8NHP8</a></u>
<b>Cytogenetics:</b>	12q24.13
<b>Protein Families:</b>	Transmembrane

**Gene Summary:**

Putative phospholipase.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).