

Product datasheet for **SC112000**

PLBD1 (NM_024829) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLBD1 (NM_024829) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLBD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112000 sequence for NM_024829 edited (data generated by NextGen Sequencing)

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ATGACCCGCGGGTCCGGGCGGGCGCCCGGGGCTGCCACAGCCGCCCGCTTCTGCTG
CTGCTGCTGCTGCCGCTGTTGTTAGTACC CGGAGCCCGAAACCTGCAGGAGTC
TACTATGCAACTGCATACTGGATGCCTGCTGAAAAGACAGTACAAGTCAAAAATGTAATG
GACAAGAATGGGACGCCTATGGCTTTTACAATAACTCTGTGAAAACACAGGCTGGGGC
ATCCTGGAGATCAGAGCTGGCTATGGCTCTCAAACCCTGAGCAATGAGATCATCATGTTT
GTGGCTGGCTTTTGGAGGGTTACCTCACTGCCACACATGAATGACCACTACACAAAC
CTCTACCCACAGCTGATCACGAAACCTTCCATCATGGATAAAGTGCAGGATTTTATGGAG
AAGCAAGATAAGTGGACCCGAAAAATATCAAAGAATACAAGACTGATTCATTTTGGAGA
CATACAGGCTATGTGATGGCACAATAGATGGCCTCTATGTAGGAGCAAAGAAGAGGGCT
ATATTAGAAGGGACAAAGCCAATGACCCTGTTCCAGATTCAGTTCCTGAATAGTGTGGGA
GATCTATTGGATCTGATCCCTCACTCTCTCCACAAAAACGGCAGCCTAAAGGTTTTT
AAGAGATGGGACATGGGACATTGCTCCGCTCTTATCAAGTTCCTCTGGATTTGAGAAC
ATCCTTTTGGCTCACTCAAGCTGGTACACGTATGCAGCCATGCTCAGGATATATAACAC
TGGGACTTCAACATCATAGATAAAGATACCAGCAGTAGTCGCCTCTTTTCAGCAGTTAC
CCAGGGTTTTTGGAGTCTCTGGATGATTTTACATTCTTAGCAGTGGATTGATATTGCTG
CAGACCACAAACAGTGTGTTAATAAAACCCTGTAAAGCAGGTAATACCCGAGACTCTC
CTGTCTGGCAAAGAGTCCGTGTGGCCAATATGATGGCAGATAGTGGCAAAGAGTGGCA
GACATCTTTTCAAATACAACTCTGGCACCTATAACAATCAATACATGGTTCTGGACCTG
AAGAAAGTAAAGCTGAACCACAGTCTTGACAAAGGCACCTGTACATTGTGGAGCAAATT
CCTACATATGTAGAATATTCTGAACAAACTGATGTTCTACGAAAGGATATTGGCCCTCC
TACAATGTTCTTCCATGAAAAAATCTACAACCTGGAGTGGCTATCCACTGTTAGTTCAG
AAGCTGGGCTTGACTACTCTTATGATTTAGCTCCACGAGCCAAAATTTCCGGCGTGAC
CAAGGGAAAGTGACTGATACGGCATCCATGAAATATATCATGCGATACAACAATTATAAG
AAGGATCCTTACAGTAGAGGTGACCCCTGTAATACCATCTGCTGCCGTGAGGACCTGAAC
TCACCTAACCAAGTCTGGAGTTGTTATGACACAAAGGTGGCAGATATCTACCTAGCA
TCTCAGTACACATCCTATGCCATAAGTGGTCCACAGTACAAGGTGGCCTCCCTGTTTTT
CGCTGGGACCGTTTCAACAAAACCTACATCAGGGCATGCCAGAGGTCTACAACCTTGAT
TTTATTACCATGAAACCAATTTTAAAACCTGATATAAAATGA
    
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Clone variation with respect to NM_024829.5
793 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024829 unedited

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CACATTTGTATACGACTCCTATAGGCGGCCGCGAATTCGCACGAGGATCCCGCAGAGGA
AGGTGCGGGCCGTGGAGCGATGACCCGCGCGGTCCGGGCGGGCGCCCGGGGCTGCCACA
GCCGCCCGCTTCTGCTGCTGCTGCTGCCGCTGTTGTTAGTACC CGGAGCCGCC
GAAACCTGCAGGAGTCTACTATGCAACTGCATACTGGATGCCTGCTGAAAAGACAGTACA
AGTCAAAAATGTAATGGACAAGAATGGGACGCCTATGGCTTTTACAATAACTCTGTGAA
AACCACAGGCTGGGCATCCTGGAGATCAGAGCTGGCTATGGCTCTCAAACCCTGAGCAA
TGAGATCATCATGTTTGTGGCTGGCTTTTTGGAGGGTTACCTCACTGCCACACATGAA
TGACCACTACACAAACCTCTACCCACAGCTGATCACGAAACCTTCCATCATGGATAAAGT
GCAGGATTTTATGGAGAAGCAAGATAAGTGGACCCGAAAAATATCAAAGAATACAAGAC
TGATTCATTTTGGAGACATACAGGCTATGTGATGGCACAATAGATGGCCTACATGTAGG
AGCAAAGAAGAGGGCTATATTAGAAGGGACAAAGCCAATGACCCTGTTCCAGATTCAGTT
CCTGAATAGTGTGGAGATCTATTGGATCTGATCCCTCACTCTCCACAAAAANACGG
CAGCCTANAGGTTTTTAAGAGATGGGACATGGGACATTGCTCCGCTCTTATCAAGTTCT
TCTGGATTTGAGACATNCTTTTTGCTCACTCAAGCTGGTACACGTATGCAGCCATGCTC
NAGATATATAACACTGGGACTTCACATCATAGAAAAGATACAGCAGTAGTCGCCTCTCTT
TCAGCANTACCAAGGTTTTGGNAGTCTCTGGATGATTTTACATTNCTAGCAGN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024829 unedited GCGGCCGCTTTCTAGTATCGAGTTTTTTTTTTTTTTTTTTTGGACAAATTAATATATTTTAT TGCATAATTCTGATGGGAAAAACATAGCTAAAATAGTGCCTTTGGTATCTTATTTACAGT CTTCTAGTCCGTCATCTCCCTCCTTCATTTTATATCAAGTTTCAAATTTGGTTTCATGGT AATAAAATCAAAGTTGTAGACCTCTGGCATGCCCTGATGTAAAGTTTTGTTGAAACGGTC CCAGCGAAAAACAGGGAGGCCACCTTGTACTGTGGGACCACTTATGGCATAAGATGTGTA CTGAGATGCTAGGTAGATATCTGCCACCTTTGTGCATAACAACCTCCAGGACTTGGGTT AGGTGAGTTCAGGTCTCACGGCAGCAGATGGTATTACAGGGGTACCTCTACTGTAAGG ATCCTTCTTATAATTGTTGTATCGCATGATATATTTTCATGGATGCCGTATCAGTCACTTT CCCTTGGTCACGCCGAAAAATTTTGGCTCGTGGAGCTAAATCATAAGAGTAGTCCAAGCC CAGCTTCTGAACTAACAGTGGATAGCCACTCCAGTTGTAGATTTTTTCATGGAAAGGAAC ATTGTAGGAGGGCCAATATCCTTTCCGTAGAACATCAGTTTGTTCAGAATATTCCTACAT ATGTAGGAATTTGCTCCACAATGTACAGAGTGCCTTTGTCAAGACTGCGGCTCAGCTTTA CTTTCTTCAAGTCCAAGAACCTGTATTGATTGTTATAGGGCCAGAGCTGTATTTTGAAA AGATGTTTGCACCTTTTGCCTACTTTGCCTCATATTGGCCACACGGCTCTTTGCCAGG ACAGAAAAGTCTCGGGCTTACCTGTCTTACAAGGGTTTATTAACACACTGTTGGGTCTCA CCATATCATCACTGCTAAAAGTAAAATATTCCAACCTCAAACCTGGGACTGCGAAAAAGC ACC
Restriction Sites:	ECORI-NOT
ACCN:	NM_024829
Insert Size:	1790 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_024829.4</u> , <u>NP_079105.3</u>
RefSeq Size:	1951 bp
RefSeq ORF:	1662 bp
Locus ID:	79887
UniProt ID:	<u>Q6P4A8</u>
Cytogenetics:	12p13.1
Domains:	Laminin_A

Gene Summary:

In view of the small size of the putative binding pocket, it has been proposed that it may act as an amidase or a peptidase (By similarity). Exhibits a weak phospholipase activity, acting on various phospholipids, including phosphatidylcholine, phosphatidylinositol, phosphatidylethanolamine and lysophospholipids.[UniProtKB/Swiss-Prot Function]