

## Product datasheet for **RR203079**

### **Plbd2 (NM\_139255) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Plbd2 (NM_139255) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plbd2
Synonyms:	P76
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR203079 representing NM\_139255  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCCCCCATGGACCGGACCCATGGTGGCCGGCGGCCGGCGCTGCGGCGGGCTCTGGCGCTGG  
 CCTCGCTGGCCGGCTATTGCTGAGCGGCTGGCGGGTGTCTCCCCACCCTCGGGCCCGCTGGCGGCG  
 CCAAACCCCGAGCCCGCGCCTCCCGACCCGCTCGCTGCTGGACGCCCTTCGGGCCAGCTGCGC  
 CTGGAGTACGGCTTCCACCCGATGCGGTGGCCTGGGCTAACCTACCAACGCCATCCGCGAGACTGGT  
 GGGCTATCTGGACCTGGGCACAAATGGCAGCTACAATGACAGCCTGCAGGCTATGCAGCTGGTGTGGT  
 GGAGGCCCTGTGTCCGAGGAGCTCATCTACATGCACTGGATGAACACGGTGGTCAATTACTGCGGCCCC  
 TTCGAGTACGAAGTCGGCTACTGTGAGAAGCTCAAGAGCTTCTGGAGGCCAACCTGGAGTGGATGCAGA  
 GGGAAATGGAGCTTAGCCCGGACTCGCCATACTGGCACCAGTGGCGCTGACCCTCTGCAGCTGAAAGG  
 CCTGGAGGACAGCTATGAAGGCCGTTAACCTTCCCAACTGGGAGGTTCAACATCAAACCCTTGGGGTTC  
 CTCTGCTGCAGATCTCTGGAGATCTGGAAGACCTAGAGCCAGCCCTGAATAAGACCAACACCAAGCCTT  
 CCGTGGGCTCCGGTTCGTGCTCTGCCCTCATCAAGCTGCTGCCCGGCAGCCATGATCTCCTGGTGGCTCA  
 CAACACTTGGAACTCCTACCAGAACATGTTACGCATCATCAAGAAGTACCGGCTGCAAGTCCGGGAGGGG  
 CCGCAAGAGGAGTACCCCTGATTGCCGCAACAACCTGATTTTTTTCGTCTTACCCGGGCACCATCTTCT  
 CCGGTGATGACTTCTACATCTGGGCGAGTGGGCTGGTCAACCCTGGAGACCACCATCGGCAACAAGAACC  
 AGCGCTGTGGAAGTACGTGCAACCCAGGGCTGTGTGCTGGAGTGGATTCGAAACATTGTGGCAACCCG  
 CTGGCCCTGGATGGGCGCACCTGGGAGATGTCTTCAAGCGGTTCAATAGTGGCAGTATAATAACCACT  
 GGATGATTGTGGACTACAAGGCATTTCATCCCAATGGGCGCCAGCCCTGGAAGCCGGTGTCTCACCATCT  
 AGAACAGATCCCGGCATGGTGGTGGTGGCGGACAAGACTGCAGAGCTCTACAAGACGACCTACTGGGCT  
 AGCTACAACATCCCGTACTTTGAGAGTGTTCACGCTAGTGGTCTGCAGGCCCTGGTAGCCAGTACG  
 GAGATTGGTTCTCTACACCAGGAACCTCGAGCCAAGATCTTCCAGAGGGACCAGTCACTAGTGGAGGA  
 CGTAGACACCATGGTCCGGCTCATGAGGTACAATGACTTCTTCCATGACCCTCTGTCTGTGTGAGGCC  
 TGCAGCCCGAAGCCCAACGCAGAGAACGCCATCTGCCCCGCTCTGATCTCAACCCTGCTAATGGCTCT  
 ACCCATTTAGGCCCTGCGTCAGCGCGCCATGGCGGCATTGATGTGAAGGTGACCAGCGTTGCACTGGC  
 TAAGTACATGAGCATGCTGGCAGCCAGTGGCCCCAGTGGGACCAGTGGCACCGTTCCAGTGGAGTAA  
 TCACCATCCACAACATGCTGCACATGGGCCAGCCTGATCTTTGGATGTTCTCACCTGTCAAGGTCCCAT  
 GGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203079 representing NM\_139255  
 Red=Cloning site Green=Tags(s)

MAAMPDRTHGGRAARALRRALALASLAGLLL SGLAGALPTLPGWRRQNPEPPASRTRSLLLDAASGQLR  
 LEYGFHPDAVAWANLTNAIRETGWAYLDLGTNGSYNDSLQAYAAGVVEASVSEELIYMHMNTVVNYCGP  
 FEYEVGYCEKLSFLEANLEWMQREMELESPDSPYWHQVRLTLLQLKGLDSYEGRLTFPTGRFNIKPLGF  
 LLLQISGDLEDLEPALNKTNTKPSVSGSICALIKLLPGSHDLLVAHNTWNSYQNMLRIIKKYRLQFREG  
 PQEYPLIAGNNLIFSSYPGTIFSGDDFYILGSLVLTETITGNKNPALWKYVQPQGCVLEWIRNIVANR  
 LALDGATWADVFRFNSGTYNQWMIVDYKAFIPNGPSPGSRVLTILEQIPGMVVVADKTAELYKTTYWA  
 SYNIPYFESVFNASGLQALVAQYGDWF SYTRNPRAKIFQRDQSLVEDVDTMVRLMRYNDFLHDPLSLCEA  
 CSPKPAENAI SARSDLN PANGSYPFQALRQRAHGGIDVKVTSVALAKYMSMLAASGPTWDQLPPFQWSK  
 SPFHMLHMQPDLWMFSPVKVPWD

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-MluI

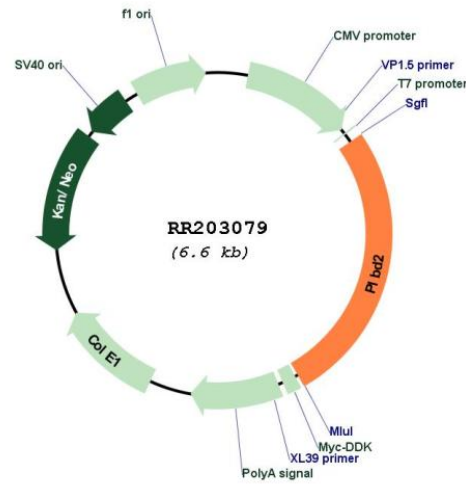
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



ACCN: NM\_139255

ORF Size: 1755 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_139255.3</a> , <a href="#">NP_640348.2</a>
<b>RefSeq Size:</b>	2217 bp
<b>RefSeq ORF:</b>	1758 bp
<b>Locus ID:</b>	246120
<b>UniProt ID:</b>	<a href="#">Q4QQW8</a>
<b>Cytogenetics:</b>	12q16
<b>MW:</b>	65.5 kDa
<b>Gene Summary:</b>	human homolog is a nucleolar RNA-binding protein [RGD, Feb 2006]