

Product datasheet for **MR209256**

Plbd2 (NM_023625) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plbd2 (NM_023625) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plbd2
Synonyms:	1300012G16Rik; AU019810; P76
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209256 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCCCCGTGGATGGGAGCTCCGGCGGCTGGGCGGCCCGGGCGCTACGGCGGGCACTGGCGCTGA
 CCTCCCTGACCACACTGGCCTTGCTGGCCTCGCTGACCGGGCTGTTGCTGAGCGGCCGGCGGGCGCTCT
 CCCTACCTGGGGCCCGGCTGGCAGCGCAAAATCCGGACCCCGCGGTCTCCCGACCCGCTCGCTGCTG
 CTGGACGCCCGTGGGGCAGCTGCGCCTGGAGGATGGCTTCCACCCGACGCGGTGGCCTGGGCAACC
 TCACCAACGCCATCCGCGAGACCGGGTGGGCTATCTGGACCTGAGCACAAATGGCAGGTACAATGACAG
 CCTGCAGGCTATGCAGCTGGTGTGGTGGAGGCCCTCTGTGTCTGAGGAGCTCATCTACATGCACTGGATG
 AACACGGTGGTCAACTACTGCGGCCCTTCGAATACGAAGTCGGCTACTGTGAGAAGCTTAAGAACTTCC
 TGGAGGCCAACCTGGAGTGGATGCAGAGGAAATGGAGCTTAACCCGGACTCTCCGTAAGTGGCACCAGT
 GCGGCTGACCCTCTGCAGCTGAAAGGCCCTGGAGGACAGCTATGAAGGCCGTTAACCTTCCAAGTGGG
 AGGTTACCATCAAACCTTGGGGTTCCTCTGCTGCAGATCTCTGGAGACCTGGAAGACCTAGAGCCAG
 CCCTGAATAAGACCAACACCAAGCCTTCCCTGGGCTCCGGTTCATGCTCTGCCCTCATCAAGCTGTGCC
 TGGCGGGCATGACCTCCTGGTGGCGCACACACGTGGAACCTCTACCAGAATGTTACGCATCATCAAG
 AAGTACAGGCTGCAGTTCGGGAGGGGCCGCAAGAGGAGTACCCCTGGTGTGGCAACAACCTGGTTT
 TCTCGTCTACCCGGGACCATCTTCTCCGGAGATGACTTCTACATCCTGGGCACTGGCCTGGTCAACCT
 GGAGACCACCATGGCAACAAGAACCAGCCCTGTGGAAGTACGTGCAGCCCCAGGGCTGTGTCTGGAG
 TGGATACGAAATGTCGTGGCAACCAGCCCTGGCCCTGGACGGGGCCACCTGGCAGACGCTTCAAGCCGT
 TCAACAGCGGCAGTACAATAACCAAGTGGATGATTGTGGACTACAAGGCATTCTCCCAACGGACCCAG
 CCTGGAAGCCGGTGTCTCACTATCCTAGAACAGATCCCGGCATGGTGGTGGTGGCTGACAAGACTGCA
 GAGCTCTACAAAACGACCTACTGGGCTAGCTACAACATCCCGTACTTTGAGACTGTATTCAACGCTAGTG
 GGCTGCAGGCCCTGGTGGCCAGTATGGAGATTGGTTCTTTACACTAAGAACCCTCGAGCCAAGATCTT
 CCAGAGGGACCACTGCTGGTGGAGGACATGGACGCCATGGTCCGGCTCATGAGGTACAATGATTTCTC
 CATGACCTCTGTATTGTGAAGCCTGCAACCCAAAGCCTAATGCGGAGAATGCCATCTCTGCCCGCT
 CTGACCTCAACCCGCCAATGGTCTCTACCATTTAGGCCCTGCATCAGCGGCCCATGGTGGCATTGA
 TGTGAAGGTGACCAGCTTACCCTGGCCAAGTACATGAGCATGCTGGCGGCCAGTGGCCCCACGTGGGAC
 CAGTGTCTCCGTTCCAGTGGAGCAAATCGCCATTCCACAGCATGCTGCATGAGGCCAGCCGACCTCT
 GGATGTTCTACCCATCAGGGTGCATGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209256 protein sequence
 Red=Cloning site Green=Tags(s)

MAAPVDGSSGGWAARALRRALAL TSLTTLALLASLTGLLLSGPAGALPTLGPWQRQNPDPVSRTRSL
 LDAASGQLRLEDGFHPDAVAVANL TNAIRETGWAYLDLSTNGRYNDSLQAYAAGVVEASVSEELIYMHWM
 NTVVNYCGPFYEYVGYCEKLNFLLEANLEWMQREMLNPDSPYWHQVRL TLLQLKGLSDSYEGRLTFPTG
 RFTIKPLGFLLLQISGDLEDLEPALNKTNTKPSLGSGLSALIKLLPGGHDLVAHNTWNSYQNMLRIIK
 KYRLQFREGPQEEYPLVAGNNLVFSSYPGTIFSGDDFYILGSLVTLETTIGNKNPALWKYVQPQGCYLE
 WIRNVVANRLALDGATWADVFKRFNSGTYNQWMIVDYKAFLPNGPSPGSRVLTILEQIPGMVVVADKTA
 ELYKTTYWASYNIPYFETVFNASGLQALVAQYGDWF SYTKNPRAKIFQRDQSLVEDMDAMVRLMRYNDFL
 HDPLSLCEACNPKPNAENAI SARSDLNANGSYPFQALHQRAHGGIDVKVTSFTLAKYMSMLAASGPTWD
 QCPPFQWSKSPFHSMHMQPDLWMFSPIRVPWD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_023625

ORF Size: 1785 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_023625.4](#), [NP_076114.2](#)

RefSeq Size: 3595 bp

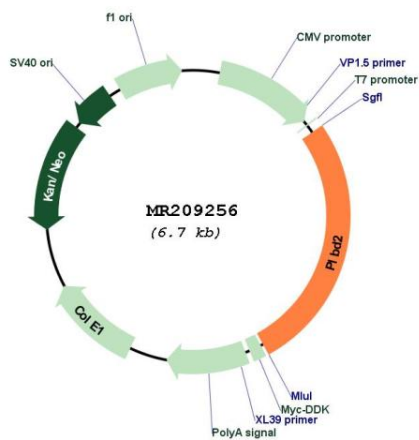
RefSeq ORF: 1785 bp

Locus ID: 71772

UniProt ID: [Q3TCN2](#)

Cytogenetics: 5 F
 MW: 66.3 kDa
 Gene Summary: Putative phospholipase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209256