

Product datasheet for **MG209256**

Plbd2 (NM_023625) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plbd2 (NM_023625) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plbd2
Synonyms:	1300012G16Rik; AU019810; P76
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209256 representing NM_023625
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCCCCGTGGATGGGAGCTCCGGCGGCTGGGCGGCCCGGCGCTACGGCGGCGACTGGCGCTGA
 CCTCCCTGACCACACTGGCCTTGTCTGGCCTCGCTGACCGGGCTGTTGCTGAGCGGCCGGCGGGCGCTCT
 CCCTACCTGGGGCCCGCTGGCAGCGCAAAATCCGGACCCCGCGGTCTCCCGACCCGCTCGCTGCTG
 CTGGACGCGCGTGGGGCAGCTGCGCCTGGAGGATGGCTTCCACCCGACGCGGTGGCCTGGGCAACC
 TCACCAACGCCATCCGCGAGACCGGGTGGCCTATCTGGACCTGAGCACAAATGGCAGGTACAATGACAG
 CCTGCAGGCTATGCAGCTGGTGTGGTGGAGGCCCTCTGTCTGAGGAGCTCATCTACATGCACTGGATG
 AACACGGTGGTCAACTACTGCGGCCCTTCGAATACGAAGTCGGCTACTGTGAGAAGCTTAAGAACTTCC
 TGGAGGCCAACCTGGAGTGGATGCAGAGGAAATGGAGCTTAACCCGGACTCTCCGTAAGTGGCACCAGT
 GCGGCTGACCCTCTGCAGCTGAAAGGCCCTGGAGGACAGCTATGAAGGCCGTTAACCTTCCAAGTGGG
 AGGTTACCATCAAACCTTGGGGTTCCTCTGCTGCAGATCTCTGGAGACCTGGAAGACCTAGAGCCAG
 CCCTGAATAAGACCAACACCAAGCCTTCCCTGGGCTCCGGTTCATGCTCTGCCCTCATCAAGCTGTGCC
 TGGCGGGCATGACCTCTGGTGGCGCACACACGTGGAACCTACCAGAATGTTACGCATCATCAAG
 AAGTACAGGCTGCAGTTCGGGAGGGGCCGAAGAGGAGTACCCCTGGTGTGGCAACAACCTGGTTT
 TCTCGTCTACCCGGGACCATCTTCTCCGGAGATGACTTCTACATCCTGGGCGAGTGGCCTGGTCAACCT
 GGAGACCACCATGGCAACAAGAACCAGCCCTGTGGAAGTACGTGCAGCCCCAGGGCTGTGTCTGGAG
 TGGATACGAAATGTCGTGGCAACCAGCCCTGGCCTTGGACGGGGCCACCTGGCAGACGCTTCAAGCGGT
 TCAACAGCGGCAGTACAATAACCAAGTGGATGATTGTGGACTACAAGGCATTCTCCCAACCGACCCAG
 CCCTGGAAGCCGGGTGCTCACTATCCTAGAACAGATCCCGGCATGGTGGTGGTGGCTGACAAGACTGCA
 GAGCTCTACAAAACGACCTACTGGGCTAGCTACAACATCCCGTACTTTGAGACTGTATTCAACGCTAGTG
 GGCTGCAGGCCCTGGTGGCCAGTATGGAGATTGGTTCTTTACACTAAGAACCCTCGAGCCAAGATCTT
 CCAGAGGGACCACTGCTGGTGGAGGACATGGACGCCATGGTCCGGCTCATGAGGTACAATGATTTCTC
 CATGACCTCTGTATTGTGAAGCCTGCAACCCAAAGCCTAATGCGGAGAATGCCATCTCTGCCCGCT
 CTGACCTCAACCCGCAATGGCTCTACCCATTTAGGCCCTGCATCAGCGGCCCATGGTGGCATTGA
 TGTGAAGGTGACCAGCTTACCCTGGCCAAGTACATGAGCATGCTGGCGGCCAGTGGCCCCACGTGGGAC
 CAGTGTCTCCGTTCCAGTGGAGCAAATCGCCATTCACAGCATGCTGCATGAGGCCAGCCGACCTCT
 GGATGTTCTACCCATCAGGGTGGCATGGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209256 representing NM_023625
 Red=Cloning site Green=Tags(s)

MAAPVDGSSGGWAARALRRALALTSLLTLLALLASLTGLLLSGPAGALPTLPGWQRQNPDPVSRTRSL
 LDAASGQLRLEDGFHPDAVAVANLTNAIRETGWAYLDLSTNGRYNDSLQAYAAGVVEASVSEELIYMHW
 NTVVNYCGPFYEYEVGYCEKLNFLANLEWMQREMLNPDSPYWHQVRLTLLQLKGLDSYEGRLTFPTG
 RFTIKPLGFLLLQISGDLEDLEPALNKTNTKPSLGSAGSALIKLLPGGHDLVAHNTWNSYQNLRIIK
 KYRLQFREGPQEEYPLVAGNNLVFSSYPGTIFSGDDFYILGSLVTLETTIGNKNPALWKYVQPQGCVLE
 WIRNVVANRLALDGATWADVFKRFNSGTYNQWMIVDYKAFLPNGSPGSRVLTILEQIPGMVVVADKTA
 ELYKTTYWASYNIPYFETVFNASGLQALVAQYGDWF SYTKNPRAKIFQRDQSLVEDMDAMVRLMRYNDFL
 HDPLSLCEACNPKPNAENAI SARSDLNANGSYPFQALHQRAHGGIDVKVTSFTLAKYMSMLAASGPTWD
 QCPFFQWSKSPFHSMHMQPDLWMFSPIRVPWD

TRTRPLE - GFP Tag - V

Restriction Sites:

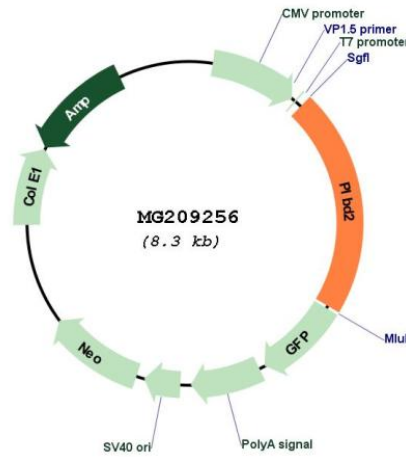
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_023625
 ORF Size: 1782 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:	<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:	NM_023625.4 , NP_076114.2
RefSeq Size:	3595 bp
RefSeq ORF:	1785 bp
Locus ID:	71772
UniProt ID:	Q3TCN2
Cytogenetics:	5 F
Gene Summary:	Putative phospholipase.[UniProtKB/Swiss-Prot Function]