

Product datasheet for **MR208106**

Prb1 (BC011176) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prb1 (BC011176) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prb1
Synonyms:	BC011176; Prpg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208106 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGTTGCTCCTGCTCACAGCAGCTTTGCTGGTCTGAGCTCAGCTCAGAGACAAGATGAAGAGATCA
 CCTACGAAGACTCAAATTCTCAGCTCCTAGAGAGGGGAGAGAAGAGCCAAGGATATGGTCAATCATTTTCC
 AAAACCACCTCCTGGAGGAATGCCCCAAAGACCTCCAGTTCTGATGAAAATAATGATGGTGATGAAGAT
 GGCAGTGAGGAAGATGTGAATAGACCAGAGGGACCACCACAGCACCCCTCCTCACCCAGGACACCACCATG
 GTCCTCCCAACAGGGAGGCCACAGGGTCCCCTAGGCCGGAAACCAACAAGGCCACCCCTCCAGG
 CCCACCCACAGGGAAGCCCCAGCAGAGACCCCTCAGCTGGAAAACAACAAGGCCACCCACACAGG
 GGAGTTCTCAGGACCCCTATGCCTGTAACCAACAAGGCCACCCCAAGGGAGGCCCCACAGCAA
 GACCCCTCAGCTGGAAAACAACAAGGCCACCCACAGGGAGGCCCCAGCAGAGACCCCTCAGCC
 TGGAAAACAACAAGGCCACCCACAGGGAGGCCCCAGCAGAGACCACCTCAGCTGGAAAACAACA
 GGCCACCTCTACATGGAGGTCTCAGAGACCCCTCAGCTGGAAAACAACAAGGTCCACCCACAGG
 GAGGCCCCAGCAGAGACCTCCTCAGCTGGAAAACAACAAGGCCACACCCACAGGGAGGCCCTACAGG
 ACCCCCTAGGCCTGGTAACCAACAAGGCCACCTCAAAGGGAGGTCTCAGAGACCCCTCAGCTGGA
 TACCAACAAGGCCACCCACAGGGAGGTCTCAGGGACCCCTATGCCTGGAAAACAACAAGGCCAC
 CCCACAGGGAGGCCCTCAGCAGAGACCTCCTCAGCTGGAAACCCACAAGGCCGCCCCACAGGGAGG
 CCCCAGGGACCCCAAGACCTGGTAACCAACAAGGCCACCTCCACAGGGAGGCCCCACAGCAGAGACC
 CCTCAGCTGGAAAACAACAAGGCCACCTCAAAGGGAGGTCTCAGAGACCCCTCAGCTGGATACC
 AACAAGGCCACCCACAGGGAGGTCTCAGGGACCCCTATGTCTGGAAAACAACAAGGCCACCCCC
 ACAGGGAGGCCCTCAGCAGAGACCTCCTCAGCTGGAAAACCCACAAGGCCCGTCCCACAGGGAGGCC
 CAGGGACCCCAAGACCTGGTAACCAACAAGGCCACCTCCACAGGGAGGCCCCACAGCAGAGACCCCTC
 AGCTGGAAAACAACAAGGCCACCCCAACAGGGAGGCCCTCAGGGACCTCCTAGGCCTGGAAAACGAG
 AGGCCACCCACAGGGAGGCCCTCAGAGACCTTCTCAGCCAGGAAACCATCAAGGCCACCCACAGCAT
 GAAAACAAGAACAGCCAATTACCTGTGGTCACTTTTGGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208106 protein sequence
 Red=Cloning site Green=Tags(s)

MLVLLTAALLVLSAQRQDEEITYEDSNSQLLERGEKSQYGHFFKPPPGMPPRPPSSDENNDGDED
 GSEEDVNRPEGPPQHPPHPGHHGPPQQGGPQGPPRPNQGGPPPPGPPQGGSPQQRPPQPKQQGPPQ
 GGSQGPMPVNPQQGPPKGGPQQRPPQGNQGGPPQGGPQQRPPQGNQGGPPQGGPQQRPPQGNQ
 GPPLHGGPQRPPQGNQGGPPQGGPQQRPPQGNQGGPHHPQGGQQGPPRPNQGGPPKGGPQRPPQPG
 YQQGPPQGGPQGPMPGNQGGPPQGGQQQRPPQGNPQGGPQGGPQGPMPGNQGGPPQGGPQQR
 PQGNQGGPPKGGPQRPPQPGYQQGPPQGGPQGPMSGNQGGPPQGGQQQRPPQGNPQGPSPQGGP
 QGPPRPNQGGPPQGGPQQRPPQGNQGGPQGGPQGPMPGNQGGPPQGGPQGRPSQPNHQGPPQH
 GNKEQPNYLWLSLFA

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC011176

ORF Size: 1512 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: [BC011176](#), [AAH11176](#)

RefSeq Size: 1635 bp

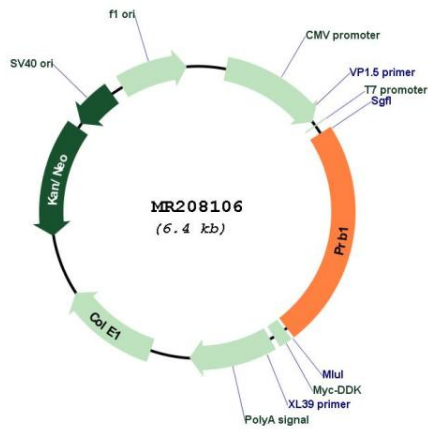
RefSeq ORF: 1514 bp

Locus ID: 381833

Cytogenetics: 6 G1

MW: 51.8 kDa

Product images:



Circular map for MR208106