

Product datasheet for **MG208106**

Prb1 (BC011176) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prb1 (BC011176) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prb1
Synonyms:	BC011176; Prpg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208106 representing BC011176
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGTTGCTCCTCACAGCAGCTTTGCTGGTCTGAGCTCAGCTCAGAGACAAGATGAAGAGATCA
 CCTACGAAGACTCAAATTCTCAGCTCCTAGAGAGGGGAGAGAAGAGCCAAGGATATGGTCATCATTTTCC
 AAAACCACCTCCTGGAGGAATGCCCCAAAGACCTCCCAGTTCTGATGAAAATAATGATGGTGATGAAGAT
 GGCAGTGAGGAAGATGTGAATAGACCAGAGGGACCACCACAGCACCCCTCCTCACCCAGGACACCACCATG
 GTCCTCCCAACAGGGAGGCCACAGGGTCCCCTAGGCCGGAAACCAACAAGGCCACCCCTCCAGG
 CCCACCCACAGGGAAGCCCCAGCAGAGACCCCTCAGCTGGAAAACAACAAGGCCACCCACACAG
 GGAGTTCTCAGGACCCCTATGCCTGTAACCAACAAGGCCACCCCAAGGGAGGCCCCACAGCAA
 GACCCCTCAGCTGGAAACAACAAGGCCACCCACAGGGAGGCCCCAGCAGAGACCCCTCAGCC
 TGGAAACAACAAGGCCACCCACAGGGAGGCCCCAGCAGAGACCACCTCAGCTGGAAACAACA
 GGCCACCTCTACATGGAGGTCCTCAGAGACCCCTCAGCTGGAAACAACAAGGTCACCCACAGG
 GAGGCCCCAGCAGAGACCTCCTCAGCTGGAAACAACAAGGCCACACCCACAGGGAGGCTACAGGG
 ACCCCCTAGGCTGGTAACCAACAAGGCCACCTCAAAGGGAGGTCCTCAGAGACCCCTCAGCTGGA
 TACCAACAAGGCCACCCACAGGGAGGTCCTCAGGGACCCCTATGCCTGGAAACAACAAGGCCAC
 CCCACAGGGAGGCTCCAGCAGAGACCTCCTCAGCTGGAAACCAACAAGGCCCCACAGGGAGG
 CCCCAGGGACCCCAAGACCTGGTAACCAACAAGGCCACCTCCACAGGGAGGCCCCACAGCAGAGACC
 CCTCAGCTGGAAACAACAAGGCCACCTCAAAGGGAGGTCCTCAGAGACCCCTCAGCTGGATACC
 ACAAGGCCACCCACAGGGAGGTCCTCAGGGACCCCTATGTCTGGAAACAACAAGGCCACCC
 ACAGGGAGGCTCCAGCAGAGACCTCCTCAGCTGGAAACCAACAAGGCCCGTCCCACAGGGAGGCC
 CAGGGACCCCAAGACCTGGTAACCAACAAGGCCACCTCCACAGGGAGGCCCCAGCAGAGACCCCTC
 AGCTGGAAACAACAAGGCCACCCCAACAGGGAGGCCCTCAGGGACCTCCTAGGCTGGAAACCAGCA
 AGGCCACCCACAGGGAGGCCCTCAGAGACCTTCTCAGCCAGGAAACCATCAAGGCCACCCACAGCAT
 GGAACAAGAAGACAGCCAAATTACCTGTGGTCACTTTTGGCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208106 representing BC011176
 Red=Cloning site Green=Tags(s)

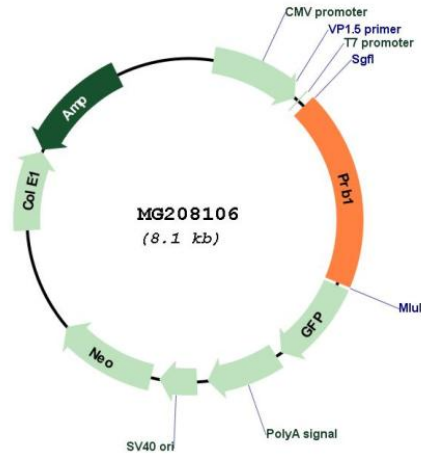
MLVVLLTAALLVLSSAQRQDEEITYEDSNSQLLERGEKSQGYGHFHPKPPPGMPPRPPSSDENNDGDED
 GSEEDVNRPEGPPQHPPHPGHHHGPPQQGGPQGPPRPGNQGGPPPPGPPQGGSPQQRPPQPGKQQGPPQ
 GGSQGGPMPVNPQQGPPPKGGPQQRPPQGNQQGPPPPQGGPQQRPPQGNQQGPPPPQGGPQQRPPQGNQQ
 GPPLHGGPQRPPQGNQQGPPPPQGGPQQRPPQGNQQGPPHPQGGPQGPQRPPQGNQQGPPPKGGPQRPPQ
 YQQGPPPPQGGPQGPMPGNQQGPPPPQGGPQQRPPQGNQQGPPPPQGGPQGPQRPPQGNQQGPPPPQGGP
 PQPNQQGPPPKGGPQRPPQPGYQQGPPPPQGGPQGPMSGNQQGPPPPQGGPQQRPPQGNQQGPPSPQGGP
 QGPPRPGNQGGPPQGGPQQRPPQGNQQGPPPPQGGPQGPQRPPQGNQQGPPPPQGGPQQRPSQPGNHQGGPPQH
 GNKEQPNYLWSLFA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: BC011176

ORF Size: 1514 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