

Product datasheet for **MR214169**

Prb1 (NM_198669) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prb1 (NM_198669) 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:

>MR214169 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGTTGCTCCTCACAGCAGCTTTGCTGGTCTGAGCTCAGCTCAGAGACAAGATGAAGAGATCA
 CCTACGAAGACTCAAATTCTCAGCTCCTAGAGAGGGGAGAGAAGAGCCAAGGATATGGTCAATTTTTCC
 AAAACCACCTCCTGGAGGAATGCCCCAAAGACCTCCAGTTCTGATGAAAATAATGATGGTGATGAAGAT
 GGCAGTGAGGAAGATGTGAATAGACCAGAGGGACCACCACAGCACCTCCTCACCCAGGACACCACCATG
 GTCCTCCCAACAGGGAGGCCACAGGGTCCCCTAGGCCGGAAACCAACAAGGCCACCCCTCCAGG
 CCCACCCACAGGGAAGCCCCAGCAGAGACCCCTCAGCTGGAAAACAACAAGGCCACCCACACAGG
 GGAGTTCTCAGGACCCCTATGCCTGTAACCAACAAGGCCACCCCAAGGGAGGCCCCACAGCAA
 GACCCCTCAGCTGGAAACAACAAGGCCACCCACAGGGAGGCCCCAGCAGAGACCCCTCAGCC
 TGGAAACAACAAGGCCACCCACAGGGAGGCCCCAGCAGAGACCACCTCAGCTGGAAACAACA
 GGCCACCTCTACATGGAGGTCCTCAGAGACCCCTCAGCTGGAAACAACAAGGTCACCCACAGG
 GAGGCCCCAGCAGAGACCTCCTCAGCTGGAAACAACAAGGCCACACCCACAGGGAGGCTACAGGG
 ACCCCCTAGGCTGGTAACCAACAAGGCCACCTCAAAGGGAGGTCCTCAGAGACCCCTCAGCTGGA
 TACCAACAAGGCCACCCACAGGGAGGTCCTCAGGGACCCCTATGCCTGGAAACAACAAGGCCAC
 CCCACAGGGAGGCTCCAGCAGAGACCTCCTCAGCTGGAAACCAACAAGGCCGCCCCACAGGGAGG
 CCCCAGGGACCCCAAGACCTGGTAACCAACAAGGCCACCTCCACAGGGAGGCCCCACAGCAGAGACC
 CCTCAGCTGGAAACAACAAGGCCACCTCAAAGGGAGGTCCTCAGAGACCCCTCAGCTGGATACC
 AACAAGGCCACCCACAGGGAGGTCCTCAGGGACCCCTATGTCTGGAAACAACAAGGCCACCC
 ACAGGGAGGCTCCAGCAGAGACCTCCTCAGCTGGAAACCAACAAGGCCCGTCCCACAGGGAGGCC
 CAGGGACCCCAAGACCTGGTAACCAACAAGGCCACCTCCACAGGGAGGCCCCAGCAGAGACCCCTC
 AGCTGGAAACAACAAGGCCACCCCAACAGGGAGGCCCTCAGGGACCTCCTAGGCTGGAAACAGCA
 AGGCCACCCACAGGGAGGCCCTCAGAGACCTTCTCAGCCAGGAAACCATCAAGGCCACCCACAGCAT
 GGAAACAAGAACAGCCAATTACCTGTGGTCACTTTTTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214169 protein sequence
 Red=Cloning site Green=Tags(s)

MLVLLTAALLVLSAQRQDEEITYEDSNSQLLERGEKSQYGHHPKPPPGMPPRPPSSDENNDGDED
 GSEEDVNRPEGPPQHPPHPGHHGPPQQGGPQGPPRPGNQGGPPPPGPPQGGSPQQRPPQPKQQGPPQ
 GGSQGPMPVNPQQGPPKGGPQQRPPQGNQQGPPQGGPQQRPPQGNQQGPPQGGPQQRPPQGNQ
 GPPLHGGPQRPPQGNQQGPPQGGPQQRPPQGNQQGPHHPQGGQQGPPRPGNQGPPKGGPQRPPQPG
 YQQGPPQGGPQGPMPGNQQGPPQGGQQRPPQGNPQGGPQGGPQGPMPGNQQGPPQGGPQQRPP
 PQGNQQGPPKGGPQRPPQPGYQQGPPQGGPQGPMSGNQQGPPQGGQQRPPQGNPQGPSPQGGP
 QGPPRPGNQGPPQGGPQQRPPQGNQQGPPQGGPQGPMPGNQQGPPQGGPQGRPSQPGNHQGPQ
 GNKEQPNYLWLSLFA

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_198669

ORF Size: 1515 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_198669.1](#), [NP_941071.1](#)

RefSeq Size: 1635 bp

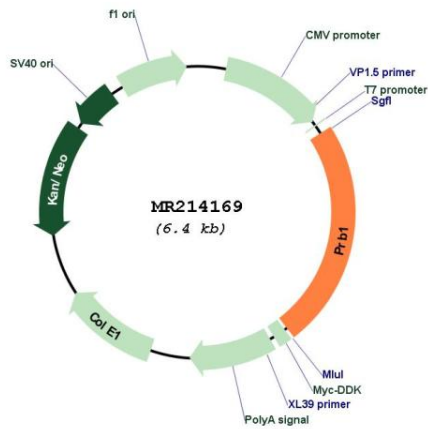
RefSeq ORF: 1515 bp

Locus ID: 381833

Cytogenetics: 6 G1

MW: 51.8 kDa

Product images:



Circular map for MR214169