

## Product datasheet for MC229266

### Prob1 (NM\_001270646) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prob1 (NM\_001270646) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prob1  
**Synonyms:** Gm1614  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229266 representing NM\_001270646  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGCTGACTGCGCTCGCCCCGCTAGCCCTTCTGGGCTCTCAAGGCGGCTGCCTGCCACAGCGGGCGTC  
 AGGACTCGTCCGGTTCGTCCGGCTCTACCACACAGCTCCGGTTCCTCCGAGCCCCGGACGTTGGGCC  
 GGACACAGAAGGCCGGGGGACTTGGCTCTGGGTGGCTCCTGGGCGGGGGCGGGCGCGCAGCCTGTCTGT  
 TCCGTACAGCGCCAGAATAGCCGCCAGCAGCACGGCTCCGGCTCGGGTTTCCCGCAGGCCCCGGGCTCCG  
 GCCCGTGCCTCGCCCCGGCCCCAGCTGCGCATGTGCGCTCGGGGAGATGGAAGTCATCTTCGGCGCGGG  
 GCCTCTGTTCAACCGCTCCGACGCGGAGGATCTGCAGGAGCAACAGCTCATGGCGCTACCTTCAGCAGT  
 CCCCAGCTGCCCGGGCCAGCGTCTCCTGCCTCTGTCTCATCGCAGCCGAGGTCCCCGACGGAGGCTCTC  
 GCTGGGCCACCTACCTGGAGTGCCTCGCCCCGCGAGCCGAGTCTGCGCTCTCAGGCCAGTACGAGTGTGT  
 GGAGGTGGCCCTGGAGGAGCGCAGCGCGCCCGTTAGACCCGCACTGTGCCGAAACGTGAGTACGAGCTG  
 CGTCCGCGGCCCTCGGAGTCCCTCGCAGGACAGTCGCGCCCGCTCCCGACTGCTCCTGCGCAGGGCT  
 CCTGGACGAGTCTCTGAGCCGTTGACGGCCGCGGGCATCGTGCAGACGGCGCTGGCTAGAAAAC  
 AGGCTCTGCGGTCCAGCCCCAGCAAGTCACTTTAAGTCTACCGCCAAGCCAGAATCCACGACGAAC  
 TCTCAGGAGACGACAGCAGCACTCGTGTGCTCCTGGAAGAGGCTAAGTCTCGGCCACCCCGCGCGCACG  
 ATAATTCCTCTCTGCCAGAGTCCCGCGGCTTGGCTAGCCTCCGAGAGCGAGCGATTCCGGCGGACAA  
 GCCGGCGCCCGGACCGAGCCTCTGGGTCCAGTTAGTTCCAGCATCTTTCTGCAGTACAGGAGAAAACCT  
 CATCAGGCTTACAACAGGAATCCAAGACCCAGTTTCCCGTGAGACTCCTGATAGAACCGTGCCGAGAG  
 CACGGAGTCTCCTTTTATTCTAGAGGTTCCCGGTGGTTCCAGTAGGGTGTGAGGCCAGGAGGCC  
 CTCTCCTCCGACGAGGCTCAAACGGGTCTCCCAACAACCCCAACCTTCTAAGATTGTTGGAGA  
 CGGAGCAGCCCGCCTTCCCTGGCGGCACATCCTCTGCGTGGGAAAATCGGAATGCTTCCGTCGAGGAAG  
 TCGTCAGCAGAAGGACCCCTTCCCACCACTTCCCAATGGAAGTACAGGGTGTGCTAGAGTTGGGAA  
 CCCATGTCTGAAGTCTCTTGTGTGGAAGTTCCGAATTCGAGAGGCGGAGATGCAGTAGGGTGTGAGT  
 AGGGACTCGTCTGCCAGCCCTGCTCCCGCGGAAGCACCTCATCTATTGAAACGCGTACCCCATCTC



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CCGGAGAGACTTGGAGTCTGTGTGTCAGGGTGCATCGACGGCACTGCATCAGGAAGCTATGAACGGTCT  
 AACCCAGGAGCTGGAGCCGCCTACACCATCAGCACCCGCGACTCCAGAGCTCACAGAGGCTCTGTGTCTG  
 CTCTACTGGAAAATGCGGGTATCGCCGTGAGAGGCGGTCAACGGTCTCCAGATGTGGATACACCGAAC  
 AGCCCCGAAGTCACTCACAAGCACTCTGGACGACGATGTGTGCCAGAAGCCGTGGGCTCGGGAGAAGC  
 GGCTTCTGAACGCCCGCGGTGACCATCCGCGGCCGAGACGTGCCAAGATGGTTAAGACTACTTAT  
 GCACCAAGCTTCCCTGCAGGGACCCAGGCTCCGGGCTTCCCGCGCTCCTGCGGACACCTGCGGGGAGG  
 ACGGTGATGCATCCAAAACCTACAAGCTCCCGCACTTGAGTCGCCCGCCCGGCTCATTACACTCCAT  
 TTTTCTCAAGGACTTTCTGCCTGTGGTACCTCATCCCTACGAGTACCAGAGCCTTCACTCCATGCAACC  
 CCTAAGGATGCCTCCAGTCCAGCGGGTCCCGAGGCGCGGGCAGAGAACAGCACCCGGAAGCCTTTCG  
 CTCGAAGTGAGATCCGCTTGCCTGGCGCTCTAGCTTTCGGCCAGCGGGGAGAAAACCCGAGTGTCCA  
 AAGACGCGGTCTGGAGGAGAAAACCCGGATGCTGAGGCCAGCGCCTGGTCCGGGACCTGAGGGTCGG  
 ACCAGCCCTTAGGAGGCGCTCGCACCTCAACCAATGTTCCCTTTAGAGTCGACAGGGACGCGACCAC  
 CTGCCCCGGCTCCCGCAGGCGTGTCAAACCTCGAGCCTTAGGGCAGCGCCGAATTGGAGACACCGCT  
 TGTGGCTCTGCAACTGCGGTCCAGGCGCCCTACTTCCCGATCATCCGGCGACGCGAGCCAGGGCCGCT  
 GCACCTTCCCGGAGTGTCTTCTGCGCTCCACCGACCGGCTCCCCCTGCATCTTCCCTGGGGCGGA  
 GGCTCCGGGAGCCGCCCGCGGGGAAGGTCCTGTAGACCCGAGAGCGGCCGTACTACTTTGTGGA  
 GGCGCCGAGGCGAGGCTGCGACTACTTTTCGATCCCGAGAGCGGGCAGTACGTGGAAGTACTGCTG  
 CCACCTCGCCCTCTCCCTCCCGGACGACCGCCATGCCCCACTGGCCCTAGGGCCCGGCTCT  
 ACCCGCCGCTATGGGCTATCTCTGGTCCATCACTGTGCGCGCTGTCCCCAACCTGTGCGCCCTTG  
 TAGTCTCCAGTACCTTGGGCTCCTGAGGCTGGACCCCTGGAGGGAATGTATTACATGCCTTGAGCGGG  
 ACCCTAGTCCCGCACCAATGTCTTCTGTGCCCCACCCTCCAGTCTGGTCCCATCCAGTCCAGCA  
 AGGTTCTGTGTTTCTTTGTA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001270646
- Insert Size:** 3033 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001270646.1](#), [NP\\_001257575.1](#)

RefSeq Size: 4849 bp  
RefSeq ORF: 3033 bp  
Locus ID: 381148  
Cytogenetics: 18 B2