

## Product datasheet for **RN205320**

### **Nbr1 (NM\_001024765) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nbr1 (NM\_001024765) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nbr1  
**Synonyms:** Ca125; RGD1311421  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN205320 representing NM\_001024765  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAACACAGGTTACTCTAAATGTGACTTTTTAAAAATGAAACTCAAAGCTTTCTGGTTTCGGATCCAG  
AAAATACAACCTGGGCTGATGTTGAAGCTATGGTAAAAGTTTCATTTGATCTGAATACTATCCAAATAAA  
ATACCTGGATGAGGAAAATGAGGAGATATCCATCAATAGTCAAGGAGAATATGAAGAAGCACTTAAGATG  
GCTAACATTAAGCAAGGAAATCAACTACAGATGCAAGTCCACGAAGGGTGCATGTTGTAGATGAAGTGC  
TCCCCCAAACGTAGTAGAAAAACAAGCAACTGCCAGGACAGGGAAGAAGCCACTCGCACATTACTCTTC  
GCTGGTAAAGTCTTGGGATCAGATATGAAGACCACAGAGGAGCCTACAGCAGAGGCACGTTACCTGTT  
CCTTGTGACACCGACAAGCCTCAAGACAAGCCCCAGACTGGTTTACAAGCTACCTGGAGATGTTTCAGAG  
AACAAAGTGGTGAAGGAAACGGTGGAGAAGCTTGAACAGAGGTTGCAGGAGAAGCTTGCTCCAGAAGCC  
ACCCTTCAGTTCCTCACCTCAGAAGTCTCAATGCCTATTTTCAGAGGAGGAAACCCTGTTTTTGCAGAG  
AACCAGTTCAGCTGGCATAATTGCTTGTAGCCACTGCCAAAAGAGGATCGTCGGTGTGCGCTACCAGTGTA  
GCCTTGCCCATCTACAACATTTGTGAAGATTGTGAAGCTGGACCTTACTCCCATGACTAACACCAT  
TTTGCTAAAATTTTCGGAGACCTGTTGTGATTTCTCTGAGCCATTTTTCTACTCAAAGTATCCCACCTCT  
CGTCTGCCTGCTCTTTGGAACAAGTCAGGCTCCAAAAGCAGGTGGATAAGAATTTTGTGAAGCAGAAA  
AGCAAAGTTGCGGGCTGAGAAGAAACAGCGGAAGGCAGAGGTCAAAGAGCTTAAAAAGCAGCTGAAACT  
CCACCGGAAGATTCATTTGTGGAATTCATCCATGGACTCCAGAGTCCCAAGTCGCCTTTGGGTCGACCT  
GAGAGCTTGCTGCAGTCTAACACCCTCATGCTTCTTTGCAGCCCTGTGCCCCAGTTATGCCAACACTCA  
GTGCAGCATTCTGGATGAGAATTTGCCTGATGGGACTCATCTTCAGCCAGGAACCAAGTTTATCAAACA  
CTGGAGGATGAAAAACACAGGGAATGTGAAGTGGAGCGCAGACACAAAGCTCAAGTTCATGTGGGAAAC  
TTGACTCTGGCTTCTACAGAGAAGAAGGATGTTTTGGTTCCCTGCTTGAAGGCTGGACACATCGGGTGG  
TGCTGTGGAGTTCATCGCCCAACCTTGAGGGGACATACACTTTGCATTGGCGTCTCTCTCACAAGG  
CCAGCAGTTTGGGCTCGGGTCTGGTGCAGTATCATAGTGGATCCTTTTCTCTCTGAGAGCCCTGTT  
AACCTTGAAGGGATGGGATTAGCTCAAGCAAAGCTGATGACTTCACCTGTGAGCAAAGGAAGCTTTTC



TTCTAGCTGAAGAAGAGATTCCATTGGGTGAGGTGACAAAGCAGACAGAAGGGACAGGATCCAGTGCCCC  
 ACAGAAGACACAACATGCTGCCAGTGAGAGGGAGCTCTACATTCCATCCGTGGACCTTCTGACTGCCCGAG  
 GACCTGCTGTCCTTTGAACTGCTGGATATAAACATTGTTCAAGAATTGGAGAGAGTGCCACACAACCC  
 CTGTGGATGTGACTCCCCGATGTCTCCTGCCGATGACAGCCCTTAAATAGAGAAGCCAGGCTTGGG  
 GCGGATACAGGAAGAGAGTGAAGGGCGGGATTGAAAGCATCTCCTGATTCCACTGTATTAACAAAGAGA  
 AAGGCCGAGACCCTGCTTCAGTCGAAGAAACGGAGGAAGACCTGAGTGGGACCCAATTTGTGTGAGA  
 GAGGGAATTACAGCTGTATTCCACAGAAGAACAGCAGCCTTTATGCTGCCCGGATTCTGCAGAAAGGAT  
 TCTTCCTGAAATTTGCCTGCCTGAAGAAGGACCACATGGAGATGAGAGGGAGGAGATTGTCCACATTG  
 CTGAGGAAGAAGCCATTGAGGAAGAGGATGTCCAAGATGAAGAAGTTCAGAGTCAGTCTTCTGCTTCCTC  
 TGAAGATTATATCATCATCCTGCCTGAGTGCTTTGATACCAGCCGCCCTGGGGGACTCCATGTACAGC  
 TCTGCGCTCTCCAGCCAGGCTGGAGCGAGGGGCTGAAGGTGAACCTGGGATCGAGTCTGGCAGGAAC  
 CAGCTGAGGCTAGAGAGAGACTCCCGAAAGGGAGAGCCAGCCAAAGGAGCAGAGCATCAGTGACATCCT  
 CACGACCTCACAGCATCTGGACACAGTGCCTCTAGTCCCAGAAGTGGCAGGACTCCAGCAGCACTGTCC  
 AGGAGCGCCCCTTGTGGACAGTATGAGGCACCACGAGTGGATTACCAGTTACCATCCAAGAAGTCTCC  
 CAGTCCCCGATACGTCAGAGGAGAGCCAGAGGCTCAACAGGACTCGAAACAGCCGACAGAAGAGCTG  
 TGACCACTCAAGGCACCACAATGGGAGCAGCATTGCTGGAGGACTGGTGAAGGGGCTTTGTCTGTTGCT  
 GCCTCTGCGTACAAGGCCCTGTTTTCTGGGCCACCAGTCACTGCACAGCCCGTCAATTTCTGAAGATCAGA  
 CCGCAGCCCTGATGGCCATCTCTTTGAAATGGGATTCTGCGACAGGCAGCTGAACCTAAGACTGCTGAG  
 AAAACAATCACAATATCCTGCAGTGTGACAGAGCTCCTCCAAGTGAACAACAACGACTGGTACAGC  
 CACCGCTATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001024765
- Insert Size:** 2952 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).
- 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\\_001024765.1](#), [NP\\_001019936.1](#)
- RefSeq Size:** 4352 bp
- RefSeq ORF:** 2952 bp
- Locus ID:** 303554

UniProt ID: [Q501R9](#)

Cytogenetics: 10q31

Gene Summary: gene of unknown function; lies head to head with Brca1 gene and is transcribed from opposite strand [RGD, Feb 2006]