

## Product datasheet for **MC219279**

### **Rdx (NM\_001104616) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rdx (NM_001104616) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rdx
Synonyms:	AA516625
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219279 representing NM\_001104616  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCGAAGCCAATCAATGTAAGAGTAACATAATGGACGCTGAGCTAGAATTTGCCATCCAGCCCAATA  
 CAACTGGCAAACAACCTTTTACCAGGTTGAAAAACAGTTGGCTTACGTGAGGTCTGGTTTTTGGGCT  
 GCAATATGTAGACAGCAAAGGATATTCTACATGGCTTAAATTGAATAAAAAGGTAACACAGCAAGATGTT  
 AAAAAAGAAAATCCTTTACAGTTCAAGTTAGAGCTAAATTTCTTCTGAAGATGTTTCTGAGGAATTGA  
 TTCAAGAAATAACACAGAGACTTTTCTTCTGCAAGTTAAGAAGCCATCTTAAATGATGAGATATATTG  
 CCCACCAGAACTGCAGTTCTTTGGCTTCGTATGCTGTCCAAGCCAAGTATGGAGATTATAATAAAGAG  
 ATTCACAAACCAGGCTATCTGGTAATGACAGACTCTTACCACAGCGTGTGGAAACAACAACTGA  
 CCAAGAGCAGTGGGAGGAGAGAATACAGAAGTGGCATGAGGAACACAGAGGGATGCTAAGGGAAGATTC  
 GATGATGGAATACTTGAAGATTGCGCAAGATCTAGAGATGTATGGTGTCAACTACTTTGAAATCAAGAAT  
 AAGAAGGGTACTGAGCTGTGGCTAGGTGTTGATGCTTTAGGCCTGAATATTTATGAACATGATGACAAGT  
 TAACACCTAAAATTGGTTTTCCCTGGAGTGAATCAGAAATATTTCAATTAATGACAAAAAATTCGTTAT  
 AAAGCCAATTGACAAAAAGGCACCTGATTTGTCTTCTATGCACCTCGTCTGAGAATCAATAACGAATT  
 TTGGCCTTATGTATGGGAAACCTGAAGTGTACATGCGAAGGAGAAAGCCTGATACTATTGAAGTACAGC  
 AGATGAAGGCTCAGGCCCGGGAGGAAAAGCATCAGAAGCAGCTAGAAAGGGCACAAATTAGAGAATGAAAA  
 GAAGAAACGAGAAATAGCAGAAAAGGAAAAGGAAAGAATAGAACGTGAAAAGGAAGAGCTGATGGAGCGT  
 CTGAGGCAGATCGAAGAGCAAACAGTGAAGCCAGAAAGAACTAGAAGAACAGACTCGGAAAGCTCTAG  
 AACTGGAGCAGGAGCGCCAGCGAGCAAAGAGGAGGCAGAGCGGCTAGACAGGGAGCGCCGGGCTGCAGA  
 AGAAGCCAAGTCTGCAATCGCCAAGCAAGCTGCTGACCAGATGAAGAACCAGGAGCAGCTGGCAGCAGAA  
 CTTGCCGAATTCAGTCCCAAGATTGCACTTTTAGAAGAAGCAAGAAGAAAAAGGAAAGGAAAGCTACTG  
 AGTGGCAGCACAAAGCTTTTGCAGCTCAGGAAGACTTGGAAAAGACCAAAGAAGAGCTAAAAACTGTGAT  
 GTCTGCGCCACCTCCACCTCCCCCTCCTCCAGTCATCCCTCCCACGGAGAACGAGCATGACGAGCAGGAC  
 GAGAACAGTGGGAGGCCAGCGCCGAGCTGTCCAGCGAGGGGGTATGAACCACCAGGAGGAGGAGC  
 GGGTACCAGAAACCCAGAAGAATGAACGCGTGAAGAAGCAGCTCCAGGCATTGAGTTCAGAAATTAGCCCA  
 AGCTAGAGATGAAACCAAGAAGACACAGAACGATGTTCTTACGCTGAGAATGTCAAGGCCGGCCGTGAT  
 AAGTACAAGACCCTTCGGCAGATTCGACAAGGCAATACGAAGCAGCGCATCGATGAGTTGAAGCCATGT  
 GA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001104616

**Insert Size:** 1752 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\\_001104616.1](#), [NP\\_001098086.1](#)

**RefSeq Size:** 4174 bp

**RefSeq ORF:** 1752 bp

**Locus ID:** 19684

**UniProt ID:** [P26043](#)

**Cytogenetics:** 9 A5.3

**Gene Summary:** Probably plays a crucial role in the binding of the barbed end of actin filaments to the plasma membrane.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform a).