

## Product datasheet for **MC219280**

### **Rdx (NM\_009041) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rdx (NM_009041) 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:** >MC219280 representing NM\_009041  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGAAGCCAATCAATGTAAGAGTAAC TACAATGGACGCTGAGCTAGAATTTGCCATCCAGCCAATA  
CAACTGGCAAACAAC TTTTGGACCAGGTTGAAAAACAGTTGGCTTACGTGAGGTCTGGTTTTTGGGCT  
GCAATATGTAGACAGCAAAGGATATTCTACATGGCTTAAATTGAATAAAAAGGTAACACAGCAAGATGTT  
AAAAAAGAAAATCCTTTACAGTTCAAGTTAGAGCTAAATTTCTTCTGAAGATGTTTCTGAGGAATTGA  
TTCAAGAAATAACACAGAGACTTTTCTTCTGCAAGTTAAAGAAGCCATCTTAAATGATGAGATATTTG  
CCCACCAGAACTGCAGTTCTTTGGCTTCGTATGCTGTCCAAGCCAAGTATGGAGATTATAATAAAGAG  
ATTCACAAACCAGGCTATCTGGCTAATGACAGACTCTTACCACAGCGTGTGGAAACAACAACTGA  
CCAAGAGCAGTGGGAGGAGAGAATACAGAAGTGGCATGAGGAACACAGAGGGATGCTAAGGGAAGATTC  
GATGATGGAATACTTGAAGATTGCGCAAGATCTAGAGATGTATGGTGTCAACTACTTTGAAATCAAGAAT  
AAGAAGGGTACTGAGCTGTGGCTAGGTGTTGATGCTTTAGGCCTGAATATTTATGAACATGATGACAAGT  
TAACACCTAAAATTTGGTTTTCCCTGGAGTGAATCAGAAATATTTCAATTAATGACAAAAAATTCGTTAT  
AAAGCCAATTGACAAAAAGGCACCTGATTTGTCTTCTATGCACCTCGTCTGAGAATCAATAAACGAATT  
TTGGCCTTATGTATGGGAAACCTGAAGTGTACATGCGAAGGAGAAAGCCTGATACTATTGAAGTACAGC  
AGATGAAGGCTCAGGCCCGGGAGGAAAAGCATCAGAAGCAGCTAGAAAGGGCACAAATTAGAGAATGAAAA  
GAAGAAACGAGAAATAGCAGAAAAGGAAAAGGAAAGAATAGAACGTGAAAAGGAAGAGCTGATGGAGCGT  
CTGAGGCAGATCGAAGAGCAAACAGTGAAGCCAGAAAGAACTAGAAGAACAGACTCGGAAAGCTCTAG  
AACTGGAGCAGGAGCGCCAGCGAGCAAAGAGGAGGCAGAGCGGCTAGACAGGGAGCGCCGGGCTGCAGA  
AGAAGCCAAGTCTGCAATCGCCAAGCAAGCTGCTGACCAGATGAAGAACCAGGAGCAGCTGGCAGCAGAA  
CTTGCCGAATTAAGTCCCAAGATTGCACTTTTGAAGAAGCAAGAAGAAAAAGGAAAGAGGAAGCTACTG  
AGTGGCAGCACAAAGCTTTTGCAGCTCAGGAAGACTTGGAAAAGACCAAAGAAGAGCTAAAAACTGTGAT  
GTCTGCGCCACCTCCACCTCCCCCTCCTCCAGTCATCCCTCCCACGGAGAACGAGCATGACGAGCAGGAC  
GAGAACAGTGGGAGGCCAGCGCCGAGCTGTCCAGCGAGGGGGTATGAACCACCGAAGCAGGAGGAGC  
GGGTACCAGAAACCCAGAAGAATGAACGCGTGAAGAAGCAGCTCCAGGCATTGAGTTCAGAAATTAGCCCA  
AGCTAGAGATGAAACCAAGAAGACACAGAACGATGTTCTTACGCTGAGAATGTCAAGGCCGGCCGTGAT  
AAGTACAAGACCCTTCGGCAGATTCGACAAGGCAATACGAAGCAGCGCATCGATGAGTTGAAGCCATGT  
GA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_009041

**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\\_009041.3](#), [NP\\_033067.2](#)

**RefSeq Size:** 4580 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 (1) represents the longest transcript and encodes the longer protein (isoform a). Variants 1 and 2 encode the same protein.