

## Product datasheet for MC209309

### Rdx (NM\_001104617) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rdx (NM\_001104617) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rdx  
**Synonyms:** AA516625  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209309 representing NM\_001104617  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCGAAGCCAATCAATGTAAGAGTAACATAATGGACGCTGAGCTAGAATTTGCCATCCAGCCCAATA  
 CAACTGGCAAACAACCTTTTTGACCAGGTTGTAAAAACAGTTGGCTTACGTGAGGCTGGTTTTTTGGCT  
 GCAATATGTAGACAGCAAAGGATATTCTACATGGCTTAAATTGAATAAAAAGGTAACACAGCAAGATGTT  
 AAAAAAGAAAATCCTTTACAGTTCAAGTTTAGAGCTAAATTTCTTCTGAAGATGTTTCTGAGGAATTGA  
 TTCAAGAAATAACACAGAGACTTTTCTTCTTGAAGTTAAAGAAGCCATCTTAAATGATGAGATATATTG  
 CCCACCAGAAACTGCAGTTCTTTTGGCTTCGTATGCTGTCCAAGCCAAGTATGGAGATTATAATAAGAG  
 ATTCACAAACCAGGCTATCTGGCTAATGACAGACTCTTACCACAGCGTGTGGGAAACAACAAACTGA  
 CCAAAGAGCAGTGGGAGGAGAGAATACAGAAGTGGCATGAGGAACACAGAGGGATGCTAAGGGAAGATTC  
 GATGATGGAATACTTGAAGATTGCGCAAGATCTAGAGATGTATGGTGTCAACTACTTTGAAATCAAGAAT  
 AAGAAGGGTACTGAGCTGTGGCTAGGTGTTGATGCTTTAGGCCTGAATATTTATGAACATGATGACAAGT  
 TAACACCTAAAAATTGGTTTTCCCTGGAGTGAAATCAGAAATATTTCAATTAATGACAAAAAATTCGTTAT  
 AAAGCCAATTGACAAAAAGGCACCTGATTTTGTCTTCTATGCACCTCGTCTGAGAATCAATAACGAATT  
 TTGGCCTTATGTATGGGAAACCATGAACGTACATGCGAAGGAGAAAGCCTGATACTATTGAAGTACAGC  
 AGATGAAGGCTCAGGCCCGGGAGGAAAAGCATCAGAAGCAGCTAGAAAAGGCACAATTAGAGAATGAAAA  
 GAAGAAACGAGAAATAGCAGAAAAGGAAAAGAAAGAATAGAACGTGAAAAGGAAGAGCTGATGGAGCGT  
 CTGAGGCAGATCGAAGAGCAAACAGTAAAAGCCAGAAAGGATGTATAATAAAAGTATTAATGGTTTATA  
 TACAAAACCTGAAAAGAAGCACTGAAGAGTATAAGGCAGATAGAGCA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul



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<b>ACCN:</b>	NM_001104617
<b>Insert Size:</b>	1170 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001104617.1, NP_001098087.1</u>
<b>RefSeq Size:</b>	1835 bp
<b>RefSeq ORF:</b>	1170 bp
<b>Locus ID:</b>	19684
<b>Cytogenetics:</b>	9 A5.3
<b>Gene Summary:</b>	<p>Probably plays a crucial role in the binding of the barbed end of actin filaments to the plasma membrane.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks multiple 3' coding exons and uses an alternate 3' terminal exon compared to variant 1. The resulting protein (isoform b) is shorter and has a distinct C-terminus compared to isoform a.</p>