

## Product datasheet for **RN202135**

### **Moxd2 (NM\_001109229) Rat Untagged Clone**

#### **Product data:**

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Moxd2 (NM_001109229) Rat Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | Moxd2                                   |
| Synonyms:                 | RGD1564286                              |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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**Fully Sequenced ORF:** >RN202135 representing NM\_001109229  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTATTTTCTTCTTCTCAGGCTTTTCTTACTTTGGGTCCTGGCAGCCTTTTCCAAGCAAGCGCC  
 TTAGCCCTACATCTCCCTTCGTTATTCCAGATTCCTAGATCCTCCCATGCTGTTTTCTGCGCTGGGA  
 CTTTGATTATGAGACTGAGATAATCACATTTGAACTGCAAGTCCAAACAAGTGGCTGGGTTGGCCTGGG  
 ATCACAGATCGCTACACGTTTGTGGGAAGTGATCTGGTAGTTGGAGGTGTCTACCCAATGGCAATGTCT  
 ACTTTTCGGATCAGCACCTTCTGGATGAAGACACTCTAGAACAGGATGGGAGTCAAGATGCTGAACCTCT  
 AAAGCTCACAGAAGATTCTGTCTCGACCACTATGCGCTTTTCCCGGCCCTTCAGATCCTGTGATCCACAT  
 GATCATGACATTACGAGTGATACCATGAGGGTCTGGCTGCCTATGGCCTGGATGACATACCAAAGATGA  
 ATCGGGAGCGTACTTTTGTCAAGTCCATCTTCTTGCTTCAAATACTACAATATGATGATGAAGATGCCCC  
 TGAAGACACTGTCTATGACTTGAAGATCAGTAATTTCTCATTCCAGAGGAGGATACCATATGCC  
 TGCACCTTTCTCCGCTCCCTATTGTGACGAAAAAGCATCACATCTACAAGTTTGAACCTATATTGGTGG  
 AACGCAATGAGACAATGGTGCATCATGTTCTCGTGTATGCATGCGGCAATTCTAGTGTACTCCCCACAGG  
 CATCGGTGAATGTTACGGAGCAGACCCTGCCTTCTCCCTCTGCTCCCATGTCTCGCAGGCTGGGCTGTT  
 GGGGGCCTTAGCTACCACTTTCCAGATGATGTAGGCATCTCTATTGGAACCCCTTTGACCCTCAATGGA  
 TCCGACTGGAAATTCACCTACAGCAATTTTCAGAACCTTCTGGTATCCGTGATACCTCAGGGATGCGGCT  
 GTACTACACCTCGCACCTTCGAAATATGACATGGGAGTCTCCAGCTGGGCATCTCAGTTTCCCTATT  
 CACTTTATACCCCGGGTGTGAGGCTTTCTTGTCTATGGGCTATGCAAGACAGACAAGTTTGAAGAGA  
 TGAATGGGGCTCCAGTAGCTGACATATATGTATCAGCCTGCCTGCTCCATACCCACTTAGCTGGGCGGTC  
 ACTGCAAGCTCTGCAATACAGAAATGGAACCCAACTCCAAATAGTATGTAAGATTCTCCTATGATTTT  
 AACCTGCAAGAATCTCGGACCTACCTCATCTGTAGTGATTAAGCCGGGGATGAGCTGCTGATAGAAT  
 GCCATTATCAGACGCTGGATCGTGACTTTCATGACTTTTGGAGGTGCCAGCACCATTAAAGATGTGCT  
 CATCTTCTTCTTACTATCCCAGAATTAACATCTCCAGTTGCATGGGATACCCTGATATCATCTATGTG  
 ACCAATGAGCTGGGGGAAGAAGCATCAGAGAATCCCATGGAAAACCTCATGGTCTGAATAATGTTGAGT  
 GGACTCCAGAGAACATTAAGACAGCTGAGAAAGCCTGCAAGGAGTCCAGCAGACAGTATTGATCAAGAC  
 GATTGATGAAGAAGTAGAAAATACAACAGGTTGGATTCCCGATATTATACCAACTCTCGAGGAGCATGC  
 TTAGAGTCTTCTGGAGGCAAAGTGAACCTCAGGACAAGACCCCTGCAGGCTTCAGGGCTGTACCAATGG  
 CCTCTCTGGCTCCAATACTGCTACTCTGAGGCACCTGCCATGATTACTGTCTTGTCTCGAGGGTTG  
 CCTCTCATGGCTCCTTGAATGTACAGACTGGAGTA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001109229

**Insert Size:** 1860 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\\_001109229.1](#), [NP\\_001102699.1](#)

**RefSeq Size:** 1860 bp

**RefSeq ORF:** 1860 bp

**Locus ID:** 500092

**Cytogenetics:** 4q23