

## Product datasheet for **RN211892**

### **Ddr2 (NM\_031764) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ddr2 (NM_031764) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ddr2
Synonyms:	Tyro10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN211892 representing NM\_031764  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCCTGATTCCAGAATGCCTCTGGTCTGCTGCTCCTGCTCATCTGGTTCTGCAAAGCTC  
 AGGTTAATCCAGCCATATGTCGCTATCCTCTGGCATGTCAGGAGCCACATTCCAGATGAGGACATCAC  
 AGCTTCAAGTCAGTGGTCAAGATCCACAGCTGCCAAATATGGGAGGCTGGACTCTGAAGAAGGGGATGGA  
 GCTTGGTGCCTGAGATTCCAGTCAACCCGATGACCTGAAGGAATTTCTGCAGATTGATTTACGAACCC  
 TACACTTTATCACTCTTGTGGGACCCAGGACGCCATGCAGGGGTCATGGCATTGAATTTGCACCCAT  
 GTACAAGTCAACTACAGTCGGGATGGCAACCGCTGGATCTCCTGGCGTAACCGACATGGGAAACAGGTG  
 CTTGATGGGAACAGTAACCCTTATGATGTTTTCTGAAGGATTTGGAGCCACCCATTGTAGCTAGATTTG  
 TTCGCCTTATCCAGTCACTGACCCTCCATGAACGTGTGCATGAGGGTCGAGCTTTATGGTTGTGTCTG  
 GCTAGATGGCTTGGTATCTTACAATGCACCCGCTGGGCAGCAGTTTGTACTCCCTGGAGGCTCCATCATT  
 TATCTGAATGATTCTGTCTATGATGGAGCTGTTGGGTACAGTATGACTGAAGGGCTAGGCCAGTTGACTG  
 ATGGGGTATCTGGCCTGGATGATTTTACCAGACCCATGAATACCATGTGTGGCCCGCTATGACTACGT  
 GGGATGGCGGAATGAGAGTGCTACCAATGGTTTCATAGAGATCATGTTTGAATTTGACCGAGTCAGGAAT  
 TTTACCACCATGAAGTCCACTGCAATAACATGTTTCGCTAAAGGTGTGAAGATCTTTAAGGAGTCCAAT  
 GTTACTTCCGCTCTGAAACCAGCGAATGGGAACCTACTGCTGTCTACTTTCCCTTGTCTGGATGATGT  
 GAACCCAGTGCCTGGTTTGTACGGTGGCCCTCCACCATCGAATGGCTAGTGCCATCAAATGCCAATAC  
 CATTTTGGCGACACATGGATGATGTTTACGGAGATCACTTTTCAATCAGATGCTGCAATGATAATAACT  
 CTGGAGCACTCCCACCTCTCCTATGGCACCCACAACCTTTGATCCCATGCTTAAAGTCGATGACAGCAA  
 CACTCGGATCCTGATTGGCTGCTTGGTGGCCATCATCTTCATCCTGCTGGCTGTCAATCGTATCATCCTG  
 TGGAGGCAATTCTGGCAGAAGATGCTAGAGAAGGCTTACGGAGGATGCTGGATGATGAAATGACAGTTA  
 GCCTTTCCTGCCAGCGAGTCCAGCATGTTCAATAACAACCACTCCTCATCACCAAGTGAACAGGAGTC  
 CAACTCTACTTATGATCGAATCTTTCCCTTCGCCCTGACTACCAGGAGCCATCCAGACTGATCCGAAAG  
 CTCCCAGAATTTGCTCCAGGAGAGGAAGAGTCTGGTTGCAGTGGTGTGTGAAGCCGGCCAGCCCAATG  
 GACCTGAGGGCGTGCCCACTATGCAGAAGCCGATATAGTGAATCTCCAGGGAGTAACAGGTGGCAACAC  
 CTACTCTGTGCCTGCCGTACCATGGACCTGCTCTCGGAAAAGATGTGGCTGTGGAAGAGTTCCCAGG  
 AAAGTGTAGCCTTCAAAGAGAAGCTGGGAGAAGGCCAGTTTGGGAGGTTTCATCTCTGTGAAGTGGAGG  
 GAATGGAAAAATCAAAGACAAAGATTTTCGCACTAGACGTCAGTGCTAACCAGCCTGTCTGGTGGCCGT  
 GAAAAATGCTTCGAGCAGATGCCAACAAGATGCCAGGAATGATTTTCTAAGGAGATAAAGATTATGTCT  
 CGGCTCAAGGACGCAAACATCATCCGTCTTCTAGCTGTGTGCATCACTGAGGACCCGCTCTGCATGATCA  
 CGGAATACATGGAAAACGGAGACCTCAATCAGTTTCTTCTCGCCACGAGCCTAAGTTCTGGTTCTAG  
 CAATGCCACAGTCAGTTACGCCAACCTCAAGTTTATGGTACCCAGATTGCCTCTGGGATGAAGTACCTT  
 TCATCTCTCAACTTTGTCCACCGAGATCTGGCCACACGCAACTGCTTAGTGGCAAGAATAACCATCA  
 AGATAGCTGACTTTGGAATGAGCAGAACTGTACAGTGGTGACTACTACCGGATCCAGGGCCGGGCAGT  
 GCTCCCATCCGCTGGATGTCCTGGGAAAGCATTTGCTGGGCAAAATCACCACGGCAAGTATGATGTGTGG  
 GCCTTTGGGGTACTCTGTGGGAGACTTTACCTTTTGGCAGGAGCAGCCCTATTTCCAGCTGTCCGACG  
 AGCAGGTTATTGAGAATACTGGAGATTTCTCCGAGACCAGGGGAGGAGATCTATCTCCCTCAACCAGC  
 CGTTTGGCCGACTCTGTGTATAAGCTGATGCTCAGTTGCTGGAGAAGAGAAACCAAGCACCGACCATCC  
 TTCCAAGAAATACACCTTCTGCTTCTTCAACAAGGAGCTGAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1268\\_g07.zip](https://cdn.origene.com/chromatograms/ja1268_g07.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031764

<b>Insert Size:</b>	2565 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><a href="#">NM_031764.3</a></u> , <u><a href="#">NP_113952.2</a></u>
<b>RefSeq Size:</b>	3532 bp
<b>RefSeq ORF:</b>	2565 bp
<b>Locus ID:</b>	685781
<b>Cytogenetics:</b>	13q24
<b>Gene Summary:</b>	mouse homolog is a receptor that binds collagens [RGD, Feb 2006]