

## Product datasheet for **RN213471**

### **Ddr1 (NM\_013137) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ddr1 (NM_013137) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ddr1
Synonyms:	Cak; Drd1; PTK3D
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213471 representing NM\_013137  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGACAGGGACCCTCTCATCTCCTGCTGCTACTCTTGGTGACAATTGGAGATGCTGACATGA  
 AGGGACATTTTGACCCAGCCAAGTGCCGCTATGCCCTGGGCATGCAGGACCGCACCATTCCAGACAGCGA  
 TATCTCTGTGTCCAGCTCCTGGTCGACTCTACCGCCGCCGCCACAGCAGGCTGGAAAGCAGTGATGGA  
 GATGGGGCTTGGTGCCCTGCAGGGCCTGTGTTCCCAAAGAAGAGGAGTACCTGCAGGTGGACCTTCGTA  
 GGCTACACCTGGTGGCTCTGGTGGGCACCCAGGGCCGCATGCTGGGGTCTGGGCAAAGAGTTCTCCCG  
 AAGCTACCGGTTGCGTTACTCCCGAGATGGCCGACGATGGATGGACTGGAAAGACAGATGGGGTCAAGG  
 GTGATTTCCGGTAACGAGGATCTGGGGGAGTGGTGTGAAGGATCTCGGGCCCCCATGGTGGCCCGGC  
 TGGTCCGTTTCTACCCAGGGCTGACCGGGTCAAGTGTCTGTCTTCCGGTGGAGCTCTATGGCTGCCT  
 CTGGCGGGACGGACTCTGTCTATACAGCCCCGTGGGGCAGACCATGCAATTATCTGAGATGGTGTAT  
 CTAATGATTCCACTTACGATGGATATACTGCTGGAGGGCTGCAGTACGGTGGTCTGGGCCAACTGGCAG  
 ACGGCGTGGTGGGGCTGGATGATTTACAGCAGAGCCAGGAGCTGCGGGTTTGGCCAGGCTATGACTATG  
 GGGATGGAGCAACCATAGCTTCCCAGCGGCTACGTGGAGATGGAGTTTGGAGTTTACCGGCTGAGGTCT  
 TTCCAGACCATGCAGGTCCTACTGTAACAACATGCACACTCTGGGAGCCCGCTCCAGGGCGGGTGGAA  
 GCCGGTTTAAAGGGGTCCGGCCATGGCTGGGAAGGAGAGCCTGTACGCCATGCCCTGGGGGTAGCCT  
 TGGAGACCCAGAGCCAGGGCCATCTCGGTGCCCTGGTGGTACGTTGGGCCGCTTCTGCAGTGCAGA  
 TTCTCTTTGCAGGACCTGGTTACTCTTCACTGAGATCTTTTCATCTCGGATGGTGAACGACTCGT  
 CTGACACCTTCCACAGCCCTGGTGGCCGCTGGCCGCTCCCACTCCAGCAACTCAGCAGCTTGGAGCT  
 GGAGCCCCGGGGTCAACAGCCTGTGGCCAAGGCGGAGGGAGCCCAACTGCCATCCTCATTGGCTGCCTG  
 GTGGCCATCATCTTCTCCTCCTTATCATTGCCCTGATGCTCTGGAGGCTGCACTGGCGCCGGCTGC  
 TCAGCAAGGCAGAGCGCCGGGTGTTGGAGGAGGAGCTGACGGTTCACCTCTGTCCCTGGGGACACCAT  
 CCTCATCAACAACCGCCAGGGCCCGAGAGCCACCCCTTACCAGGAACCCCGGCTCGGGGGACTCCA  
 ACTCACTCTGCGCCCTGCGTCCCAATGGCTCTGCGTTGCTGCTCTCAATCCGGCTACCGCTCCTTC  
 TGGCCACTTACGCCCGTCCCTCGAGGCCCGGGCCCCCACACCCGCTGGGCCAAACCCACCAACAC  
 CCAGGCCTGCAGTGGGGACTACATGGAGCCGAGAAGCCGGGCGCCCACTTCTACCCACCTCCCCAG  
 AACAGCGTCCCCATTACGCCGAGGCTGACATTGTACCCTGCAGGGCGTACAGGGGGCAACACTACG  
 CTGTTCCCGCACTGCCCCAGGGCGGTTGGGGATGGGCCCCCAAGAGTGGATTTCCCTCGGTACGGCT  
 CCGTTTCAAGGAGAAGCTCGGCGAGGGCAATTTGGGGAGGTACATCTCTGTGAAGTAGAGGACCCTCAA  
 GATCTGGTCACTAGTGACTTCCCTATCAGTGTGCAAAAGGGACACCCCTTGTGGTGGCAGTGAAGATCC  
 TCCGGCCAGATGCCACCAAAAATGCCAGGAATGACTTCTGAAGGAGGTAAGATCATGTACGGCTGAA  
 GGACCAAAACATCATCCGGCTCCTGGGTGTGTGTGTCAGGATGACCCTCTCTGCATGATTACAGACTAC  
 ATGGAGAACGGTACCTGAACCAATCTCAGTGGCCACCAGCTGGAGAACAAGGTCACCTCAGGGGCTTC  
 CTGGGGACAGAGAGTCTGACCAGGGGCCACAATCAGCTACCCTATGCTGTTACAGTGGGGGCCAGAT  
 CGCCTCTGGCATGCGATATCTGGCCACCCTTAACTTTGTGCATCGGGACCTGGCCACCCGAACTGCTTG  
 GTTGGGGAAAATTTACCATCAAAATCGCGACTTTGGCATGAGCCGGAATCTCTACGCTGGGGATTATT  
 ACCGTGTACAGGGCCGGCAGTGTGCCATCAGGTGGATGGCCTGGGAGTGTATCCTCATGGGGAAGTT  
 CACAACAGCCAGTGTGTGGGCTTCGGAGTGACCCTGTGGGAGTGTATGCTCTGCAGGTACAG  
 CCCTTCGGGCAACTCACAGACGAGCAGGTATCGAGAACCGCGGAGTTCCTCAGGGACCAGGGCCGGC  
 AGGTATACTTATCCAGGCCACCCGCTGCCCGCAGACCTTGTATGAGCTGATGCTCCGGTGTGGAGCCG  
 GGAGCCGAGCAGCGCCGCCCTTCTCCAGCTTATCGGTTCTGGCGGATGATGCACTCAACACAGTG  
 TAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	NM_013137
<b>Insert Size:</b>	2733 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>	<a href="#">NM_013137.2</a> , <a href="#">NP_037269.2</a>
<b>RefSeq Size:</b>	2921 bp
<b>RefSeq ORF:</b>	2733 bp
<b>Locus ID:</b>	25678
<b>Cytogenetics:</b>	20p12
<b>Gene Summary:</b>	protein tyrosine kinase that may play a role in nervous system development [RGD, Feb 2006] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data. The genomic coordinates used for the transcript record were based on transcript alignments.