

Product datasheet for **RN217313**

Ddr1 (NM_001166022) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddr1 (NM_001166022) 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:

>RN217313 representing NM_001166022

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACAGGGACCCTCTCATCTCCTGCTGCTACTCTTGGTGACAATTGGAGATGCTGACATGA
 AGGGACATTTTGACCCAGCCAAGTGCCGCTATGCCCTGGGCATGCAGGACCGACCATTCCAGACAGCGA
 TATCTCTGTGTCCAGCTCCTGGTCGACTCTACCGCCGCCGCCACAGCAGGCTGGAAAGCAGTGATGGA
 GATGGGGCTTGGTGCCCTGCAGGGCCTGTGTTCCCAAAGAAGAGGAGTACCTGCAGGTGGACCTTCGTA
 GGCTACACCTGGTGGCTCTGGTGGGCACCCAGGGCCGCATGCTGGGGTCTGGGCAAAGAGTTCTCCCG
 AAGCTACCGGTTGCGTTACTCCCGAGATGGCCGACGATGGATGGACTGGAAAGACAGATGGGGTCAGGAG
 GTGATTTCCGGTAACGAGGATCCTGGGGAGTGGTGTGAAGGATCTCGGGCCCCCATGGTGGCCCGGC
 TGGTCCGTTTCTACCCAGGGCTGACCGGGTCATGAGTGTCTGTCTTCGGGTGGAGCTCTATGGCTGCCT
 CTGGCGGGACGGACTCTGTCTATAACAGCCCCGTGGGGCAGACCATGCAATTATCTGAGATGGTGTAT
 CTAATGATTCCACTTACGATGGATATACTGCTGGAGGGCTGCAGTACGGTGGTCTGGGCCAACTGGCAG
 ACGGCGTGGTGGGGCTGGATGATTTACAGCAGAGCCAGGAGCTGCGGGTTTGGCCAGGCTATGACTATGT
 GGGATGGAGCAACCATAGCTTCCCAGCGGCTACGTGGAGATGGAGTTTGGAGTTTACCGGCTGAGGTCT
 TTCCAGACCATGCAGGTCCACTGTAACAACATGCACACTCTGGGAGCCCGCTCCAGGCGGGTGGAAAT
 GCCGGTTTAAAGGGGTCCGCCATGGCTGGGAAGGAGAGCCTGTACGCCATGCCCTGGGGGTAGCCT
 TGGAGACCCAGAGCCAGGGCCATCTCGGTGCCCTGGTGGTACGTCAGTGGGCCGCTTCTGCAGTGCAGA
 TTCCTCTTGCAGGACCTGGTTACTCTCAGTGAGATCTTTTCATCTCGGATGTGGTGAACGACTCGT
 CTGACACCTTCCACAGCCCCCTGGTGGCCGCTGGCCGCTCCCACTCCAGCAACTCAGCAGCTTGGAGCT
 GGAGCCCCGGGTCAACAGCCTGTGGCCAAGGCGGAGGGAGCCAACTGCCATCCTCATTGGCTGCCTG
 GTGGCCATCATCTTCTCCTCCTTATCATTGCCCTGATGCTCTGGAGGCTGCACTGGCGCCGGCTGC
 TCAGCAAGGCAGAGCGCCGGTGTGGAGGAGGAGCTGACGGTTCACCTCTGTCCCTGGGGACACCAT
 CCTCATCAACAACCGCCAGGGCCCGAGAGCCACCCCTTACCAGGAACCCCGGCTCGGGGACTCCA
 ACTCACTCTGCGCCTGCGTCCCAATGGCTCTGCGTGTGCTCTCCAATCCGGCTACCGCTCCTTC
 TGGCCACTACGCGCTCCCTCGAGGCCCGGGCCCCCACACCCGCTGGGCCAAACCCACCAACAC
 CCAGGCTGCAGTGGGACTACATGGAGCCGAGAAGCCGGGCGCCCACTTCTACCCACCTCCCGAG
 AACAGCGTCCCCATTACGCCAGGCTGACATTGTACCCTGCAGGGCGTACAGGGGGCAACACTACG
 CTGTTCCCGCACTGCCCCAGGGCGGTTGGGGATGGGCCCCCAAGAGTGGATTTCCCTCGGTACGGCT
 CCGTTTCAAGGAGAAGCTCGGCGAGGGCAATTTGGGGAGGTACATCTCTGTGAAGTAGAGGACCTCAA
 GATCTGGTCACTAGTGACTTCCCTATCAGTGTGCAAAAGGGACACCCCTTGTGGTGGCAGTGAAGATCC
 TCCGGCCAGATGCCACCAAAAATGCCAGGAATGACTTCTGAAGGAGGTAAGATCATGTACGGCTGAA
 GGACCAAAACATCATCCGGCTCCTGGGTGTGTGTGTCAGGATGACCCTCTCTGCATGATTACAGACTAC
 ATGGAGAACGGTACCTGAACCAATCCTCAGTGCCACCAGCTGGAGAACAAGGCACTCAGGGGCTTC
 CTGGGGACAGAGAGTCTGACCAGGGGCCACAATCAGCTACCCTATGCTGTTACAGTGGGGCCAGAT
 CGCCTCTGGCATGCGATATCTGGCCACCCTTAACTTTGTGCATCGGGACCTGGCCACCCGAACTGCTTG
 GTTGGGGAAAATTTACCATCAAAATCGCCGACTTTGGCATGAGCCGGAATCTCTACGCTGGGGATTATT
 ACCGTGTACAGGGCCGGCAGTGTGCCATCAGGTGGATGGCCTGGGAGTGTATCCTCATGGGGAAGTT
 CACAACAGCCAGTGTGTGGGCTTCGGAGTGACCCTGTGGGAGGTGCTTATGCTCTGCAGGTACAG
 CCCTTCGGGCAACTCACAGACGAGCAGGTATCGAGAACGCCGGCAGTTCCTCAGGGACCAGGGCCGGC
 AGGTATACTTATCCAGGCCACCCGCTGCCCGCAGACCTTGTATGAGCTGATGCTCCGGTGTGGAGCCG
 GGAGCCGAGCAGCGCCGCCCTTCTCCAGCTTATCGGTTCTGGCGGATGATGCACTCAACACAGTG
TAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_001166022
Insert Size:	2733 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001166022.1, NP_001159494.1</u>
RefSeq Size:	2834 bp
RefSeq ORF:	2733 bp
Locus ID:	25678
Cytogenetics:	20p12
Gene Summary:	protein tyrosine kinase that may play a role in nervous system development [RGD, Feb 2006] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. 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.