

Product datasheet for **RR213471**

Ddr1 (NM_013137) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR213471 representing NM_013137
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGACAGGGACCCTCTCATCTCCTGCTGCTACTCTTGGTGACAATTGGAGATGCTGACATGA
 AGGGACATTTTGACCCAGCCAAGTGCCGCTATGCCCTGGGCATGCAGGACCGCACCATTCCAGACAGCGA
 TATCTCTGTGTCCAGCTCCTGGTCGACTCTACCGCCGCCGCCACAGCAGGCTGGAAAGCAGTGATGGA
 GATGGGGCTTGGTGCCCTGCAGGGCCTGTGTTCCCAAAGAAGAGGAGTACCTGCAGGTGGACCTTCGTA
 GGCTACACCTGGTGGCTCTGGTGGGCACCCAGGGCCGCATGCTGGGGTCTGGGCAAAGAGTTCTCCCG
 AAGCTACCGGTTGCGTTACTCCCGAGATGGCCGACGATGGATGGACTGGAAAGACAGATGGGGTCAAGG
 GTGATTTCCGGTAACGAGGATCTGGGGGAGTGGTGTGAAGGATCTCGGGCCCCCATGGTGGCCCGGC
 TGGTCCGTTTCTACCCAGGGCTGACCGGGTCAAGTGTCTGTCTTCGGGTGGAGCTCTATGGCTGCCT
 CTGGCGGGACGGACTCTGTCTATACAGCCCCGTGGGGCAGACCATGCAATTATCTGAGATGGTGTAT
 CTAATGATTCCACTTACGATGGATATACTGCTGGAGGGCTGCAGTACGGTGGTCTGGGCCAACTGGCAG
 ACGGCGTGGTGGGGCTGGATGATTTACAGCAGAGCCAGGAGCTGCGGGTTTGGCCAGGCTATGACTATG
 GGGATGGAGCAACCATAGCTTCCCCAGCGGCTACGTGGAGATGGAGTTTGGAGTTTACCGGCTGAGGTCT
 TTCCAGACCATGCAGGTCCACTGTAACAACATGCACACTCTGGGAGCCCGCTCCAGGGCGGGTGGAAAT
 GCCGGTTTAAAGGGGTCCGCCATGGCTGGGAAGGAGAGCCTGTACGCCATGCCCTGGGGGTAGCCT
 TGGAGACCCAGAGCCAGGGCCATCTCGGTGCCCTGGTGGTACGTTGGGCCGCTTCTGCAGTGCAGA
 TTCCTCTTGCAGGACCTGGTTACTCTCAGTGAGATCTTTTCATCTCGGATGTGGTGAACGACTCGT
 CTGACACCTTCCACAGCCCCCTGGTGGCCGCTGGCCCGCTCCCACTCAGCAGCTTGGAGCT
 GGAGCCCCGGGTCAACAGCCTGTGGCCAAGGCGGAGGGAGCCAACTGCCATCCTCATTGGCTGCCTG
 GTGGCCATCATCTTCTCCTCCTTATCATTGCCCTGATGCTCTGGAGGCTGCACTGGCGCCGGCTGC
 TCAGCAAGGCAGAGCGCCGGGTGTTGGAGGAGGAGCTGACGGTTCACCTCTCTGTCCCTGGGGACACCAT
 CCTCATCAACAACCGCCAGGGCCCGAGAGCCACCCCTTACCAGGAACCCCGGCTCGGGGGACTCCA
 ACTCACTCTGCGCCCTGCGTCCCAATGGCTCTGCGTTGCTGCTCTCCAATCCGGCTACCGCTCCTTC
 TGGCCACTACGCGCTCCCTCGAGGCCCGGGCCCCCACACCCGCTGGGCCAAACCCACCAACAC
 CCAGGCCATGCAGTGGGGACTACATGGAGCCGAGAAGCCGGGCGCCCACTTCTACCCACCTCCCGAG
 AACAGCGTCCCCATTACGCCGAGGCTGACATTGTACCCTGCAGGGCGTACAGGGGGCAACACTACG
 CTGTTCCCGCACTGCCCCAGGGCGGTTGGGGATGGGCCCCCAAGAGTGGATTTCCCTCGGTACGGCT
 CCGTTTCAAGGAGAAGCTCGGCGAGGGCAATTTGGGGAGGTACATCTCTGTGAAGTAGAGGACCTCAA
 GATCTGGTCACTAGTGACTTCCCTATCAGTGTGCAAAAGGGACACCCCTTGTGGTGGCAGTGAAGATCC
 TCCGGCCAGATGCCACCAAAAATGCCAGGAATGACTTCTGAAGGAGGTAAGATCATGTACGGCTGAA
 GGACCAAAACATCATCCGGCTCCTGGGTGTGTGTGTCAGGATGACCCTCTCTGCATGATTACAGACTAC
 ATGGAGAACGGTACCTGAACCAATTCCTCAGTGGCCACAGCTGGAGAACAAGTCACTCAGGGGCTTC
 CTGGGGACAGAGAGTCTGACCAGGGGCCACAATCAGCTACCCTATGCTGTTACAGTGGGGGCCAGAT
 CGCCTCTGGCATGCGATATCTGGCCACCCTTAACTTTGTGCATCGGGACCTGGCCACCCGAACTGCTTG
 GTTGGGGAAAATTTACCATCAAAATCGCCGACTTTGGCATGAGCCGGAATCTCTACGCTGGGGATTATT
 ACCGTGTACAGGGCCGGCAGTGTGCCATCAGGTGGATGGCCTGGGAGTGTATCCTCATGGGGAAGTT
 CACAACAGCCAGTGTGTGGGCTTCGGAGTGACCCTGTGGGAGTGTCTATGCTCTGCAGGTACAG
 CCCTTCGGGCAACTCACAGACGAGCAGGTATCGAGAACCGCGGAGTCTTCAGGGACCAGGGCCGGC
 AGGTATACTTATCCAGGCCACCCGCTGCCCGCAGACCTTGTATGAGCTGATGCTCCGGTGTGGAGCCG
 GGAGCCGAGCAGCGCCGCCCTTCTCCAGCTTATCGGTTCTGGCGGATGATGCACTCAACACAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213471 representing NM_013137
 Red=Cloning site Green=Tags(s)

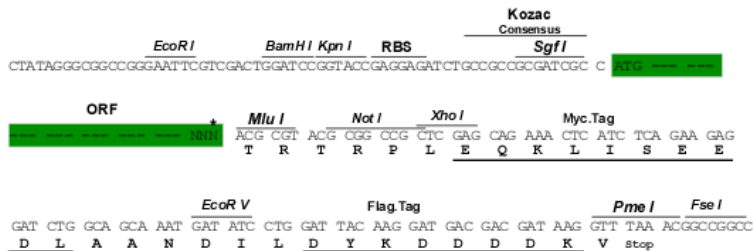
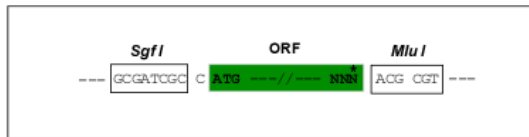
MGTGTLSSLLLLLLLLVTIGDADMKGHFDPACRYALGMQDRTIPDSDISVSSSWSDSTAARHSRLESSDG
 DGAWCPAGPVFPKEEYLQVDLRRHLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRRWMDKDRWGQE
 VISGNEDPGGVVLKDLGPPMVARLVRFYPRADRVMSVCLRVELYGCLWRDGLLSYAPVQGTMLSEMVL
 LNDSTYDGYTAGGLQYGGGLQLADGVVGLDDFRQSQELRVWPGYDYVGSNHSFSPGYVEMEFEDRLRS
 FQTMQVHCNNMHTLGARLPGGVECRFKRGPAMAWEGEPVRHALGGSLGDPRARAI SVPLGGHVGRFLQCR
 FLFAGPWLLFSEISFISDVVNDSSDTFPPAPWPPGPPPTNFSSELEPRGQQPVAKAEGSPTAILIGCL
 VAIILLLLLIIALMLWRLHWRLLSKAERRVLEELTVHLVSPGDTILINNRPGPREPPPYQEPRRGT
 THSAPCVNGSALLLSNPAYRLLLATYARPPRGPPTPAWAKPTNTQACSGDYMEPEKPGAPLLPPPQ
 NSVPHYAEADIVTLQVGTGGNTYAVPALPPGAVGDGPPRVDFPRSRLRFKEKLGEGQFGEVHLCEVEDPQ
 DLVTSDFPISVQKGHPLLVAVKILRPDATKNARNDFLKEVKIMSRLKDPNIIRLLGVCVQDDPLCMITDY
 MENGDLNQFLSAHQLENKVTQGLPGDRESDQGPTISYPMLLHVGAQIASGMRYLATLNFVHRDLATRNCL
 VGENFTIKIADFMSRNLAYAGDYRVQGRAVLP IRWMAWECILMGKFTTASDVWAFGVTLWEVLMMLCRSQ
 PFGQLTDEQVIENAGEFRDQGRQVYLSRPPACPQTLYELMLRCSREPEQRPPFSQLHRFLADDALNTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
 Cloning Scheme:

SgfI-MluI

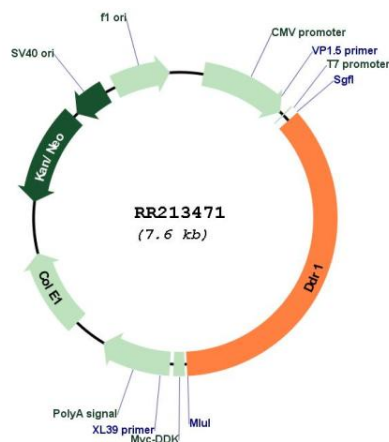
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013137

ORF Size:	2730 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_013137.2 , NP_037269.2
RefSeq Size:	2921 bp
RefSeq ORF:	2733 bp
Locus ID:	25678
Cytogenetics:	20p12
MW:	101.2 kDa
Gene Summary:	protein tyrosine kinase that may play a role in nervous system development [RGD, Feb 2006]

Product images:


Circular map for RR213471