

Product datasheet for **RR203878**

Cdr2 (NM_001025682) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdr2 (NM_001025682) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdr2
Synonyms:	RGD1310578
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR203878 representing NM_001025682
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGCAGATAACCTTGTGGAGGAGTTCGAGATAGAGGATGAGCCCTGGTATGACCACCGGGACCTCC
 AGCAAGATCTCCAACCTTCTGCAGAAGCTCGGAAAGACGCTACTGGATCGGAACACAGAGTTGGAGGATTC
 TCTTCAGCAGATGTACACAACCAATCAGGAGCAGTTACAGGAAATTGAGTACCTGACCAAGCAGGTGGAG
 CTTCTACGGCAAATGAATGAGCAGCATGCAAAAGTTTATGAGCAGTTAGATGTTACAGCAAGAGAAGCTGG
 AAGAAACCAACCAGAAGCTAGTTGCTGAGAGCAAGGCCTCACAGCAGAAAATCCTGAGCTTGACAGAAAAC
 AATTGAATGCCTGCAAACCAACATTGATCACCTCCAGAGCCAAGTGGAGGAGCTGAAGTCTAACCAAGGA
 AGAGGGAGGCAGAAGGCATGTGACCAGGAGAGACCAGCACCAAGCTTCTCCTGTCTGAAAGAGCTGTACG
 ACCTCCGCCAACACTTTGTATATGACCACGTGTTTGTGAGAAGATCACTTCCTTGACAGGCCAGCAAAG
 CCCTGATGAGGAAGAAAACGAGCACCTGAAAAAGGCAGTGACGATGTTGCAGGCCAGCTGAGTCTAGAG
 AGGAAGAAGCGAGTGAGCGTGGAGGCAGAGTATAAAGTGGTGCTGAAGGAGAACAGCGAGCTGGAGCAGC
 AGCTGAGTGCCACAGATGCCTACCGAGCCCGGGCACAGGAGTTGGAGGCAGAGGTGGCCGAGATGCGGCA
 GATGCTGCAGGCAGAGCATCCTTTTGTGAATGGCGTTGAGAAGCTGGTACCCGACTCCCTGTTTGTCTCT
 TTCAAGGAGCCCAGCCAGAGTCTGCTGGAGGAAATGTTCTGGCTGCTCCAGAAGCACATAGAAAACCAAC
 TCAAACGCAGCAGCAGTGAAGGCTGCTCAGCAGCCTGGCGGGGGATGACATCGTGAAGGACCATGAGGA
 CACTTGCATCAGGAGAGCGAAGGCTGTGAAGCAGAGGGGCATCTCCCTTCTGCATGAAGTGGACACTCAG
 TACAGCGCCCTGAAAGTGAAGTATGAAGAGCTCCTGAGGAAGTCCAGCAGGAGCAGGACTCACTGTCAC
 ACAAGGCTGTGCAGACCTCCAGACTACTGACGAGGGACCTGACAGGGCTGGTCCCAGCTGAGGCCGG
 GGCCAGTGGCTGGGAACCCACCCCTGTAAGCCAGAGCCCATCAGTTCCCCCACCACACTACACCTCCAGAA
 TACAAAGCACTATTTAAGGAGATATTTAGTTGCATCAAGAAAAACAAGCAGGAAATAGATGAACAGAGAA
 CAAAATACCCCTCCCTCTCCCTTACTCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203878 representing NM_001025682
 Red=Cloning site Green=Tags(s)

MLADNLVEEFEIEDEPWYDHRDLQQDLQLAAELGKTLDDRNTLEDLSLQQMYTTNQEQLQEIEYLTKQVE
 LLRQMNEQHAKVYEQLDVTARELEETNQKLVASKASQQKILSLTETIECLQTNIDHLQSQVEELKSNQG
 RGRQKACDQERPAPSFSLKELYDLRQHFVYDHVFAEKITSLQSQSPDEEENEHLKAVTMLQAQLSLE
 RKKRVSVAEYKVVLEKENSELEQQLSATDAYRARAQELEAEVAEMRQMLQAEHPFVNGVEKLVPSLFP
 FKEPSQLLEEMFLAAPEAHRKPLKRSSSETVLSLAGDDIVKDHDTCIRRAKAVKQRGISLLHEVDTQ
 YSALKVYEEELLRKCQEQDSLHKAVQTSRLLTRDLTGLVPQSEAGASGWEPTPVSPPEISSPTTTPPE
 YKALFKEIFSCIKKTKQEIDEQRTKYPSPSPYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001025682

ORF Size: 1359 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:

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_001025682.1](#), [NP_001020853.1](#)

RefSeq Size: 2372 bp

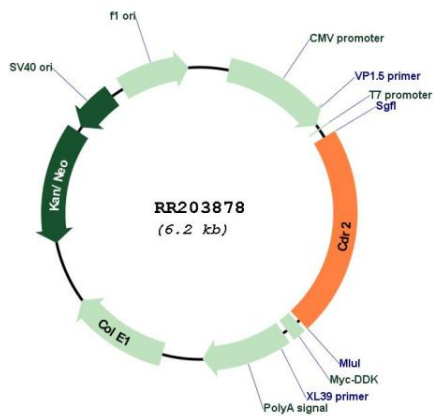
RefSeq ORF: 1362 bp

Locus ID: 308958

Cytogenetics: 1q36

MW: 52 kDa

Product images:



Circular map for RR203878