

Product datasheet for **MR215932**

Cdr2 (NM_007672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdr2 (NM_007672) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdr2
Synonyms:	AA617262
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215932 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCAGATAACCTAGTGGAGGAGTTCGAGATGGAGGATGAGCCGTGGTACGACCACCGGGACCTCC
 AGCAAGATCTCCAGCTTCTGCTGCTGAACTTGGAAAAGACGCTACTGGATCGGAACACAGAGTTGGAAGATTC
 TCTTCAGCAGATGTACACAACCAATCAGGAGCAGTTACAGGAAATCGAGTACCTGACCAAGCAGGTGGAG
 CTTCTACGGCAAATGAATGAGCAGCATGCGAAAGTTTATGAGCAGTTAGATGTCACAGCAAGAGAAGTGG
 AAGAAACCAACCAGAAGCTAGTTGCTGAGAGCAAGGCCTCACAGCAGAAAATCCTCAGCCTGACAGAAAAC
 AATTGAATGCCTGCAAACCAACATTGATCACCTGCAGAGCCAAGTGGAGGAGCTGAAGTCTTCCAGCCAA
 GGAAGAGGGAGGCAGAAGGCATGTGACCAGGAGAAACCAGCACCCAGCTTCTCCTGTCTGAAAGAGCTGT
 ATGACCTCGCCAACACTTTGTGTATGACCACGTGTTGCTGAGAAGATCACTTCTTGCAGAGCCAACA
 GAGCCCTGATGAAGAAGAAAATGAGCACCTGAAAAGGCAGTGCAGATGTTGCAGGCCAGCTAAGTCTA
 GAGAGGAAGAAGCGAGTGAAGCTGGAGGCAGAGTATAAAGTGGTCTGAAGGAGAACAGTGAAGTGGAGC
 AGCAGCTGGGGCCACAGATGCCTACCGAGCCCGGCCCTGGAGTTGGAGGCAGAGGTGGCTGAGATGCG
 GCAGATGCTGCAGGCAGAGCATCTTTTGTGAATGGTGTGGAGAAGCTGGTGCCTGACTCTCTGTTTGT
 CCTTCAAGGAGCCTAGCCAGAGTCTGCTGGAGGAAATGTTTCTGGTCTCCAGAAGCACCTAGAAAAC
 CACTCAAACGAAGCAGCAGTGAAGCGGCCTCAGCAGTTTGGCAGGGGATGACATCGTGAAGGACCATGA
 GGACACTTGCATCAGGAGGGCTAAGGCTGTGAAGCAGAGGGGCATCTCCCTTCTGCATGAAGTGGACACT
 CAGTACAGTGCCTGAAAGTGAAGTATGAAGAGCTACTGAAGAAGTCCAGCAGGAGCAGGACTCACTGT
 CACACAAGGCTGTGCAGACCTCTAGACTACTGACTAGGGACCTGACAGGACTGGTACAGCAGTCTGAGGC
 GGGGGCCAGTGGCTGGGAACCCACCCCTGTAAGCCAGAGTCCATCAGTTCACCCACCACCTACACCTCCA
 GAATACAAGCACTATTTAAGGAGATTTAGTTGCATCAAGAAAACAAAGCAGGAAATAGATGAACAGA
 GAACAAAATACCTTCTCTCCTCTTACTCGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215932 protein sequence
 Red=Cloning site Green=Tags(s)

MLADNLVEEFEMEPEWYDHRDLQQDLQLAAELGKTLDDRNTLEDSLQQMYTTNQEQLQEIEYLTKQVE
 LLRQMNEQHAKVYEQLDVTARELEETNQKLVASKASQKILSLTETIECLQTNIDHLQSQVEELKSSSQ
 GRGRQKACDQEKPAFSPSCLKELYDLRQHFVYDHFVFAEKITSLQSQSPDEEENEHLKAVTMLQAQLSL
 ERKKRVSVEAEYKVVVKENSELEQQLGATDAYRARALELEAEVAEMRQMLQAEHPFVNGVEKLVDPDSL
 FVPFKEPSQLLEEMFLAAPEAPRKPLKRSSSETALSSLAGDDIVKDHDTCIRRAKAVKQRTISLLHEVDT
 QYSALKVKEYEELLKCKQEQDLSLHKAVQTSRLLTRDLTGLVTQSEAGASGWEPFVSPESISSPTTTPP
 EYKALFKEIFSCIKTKQEIDEQRTKYPSSLSSYSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_007672

ORF Size: 1368 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_007672.2](#), [NP_031698.2](#)

RefSeq Size: 2525 bp

RefSeq ORF: 1368 bp

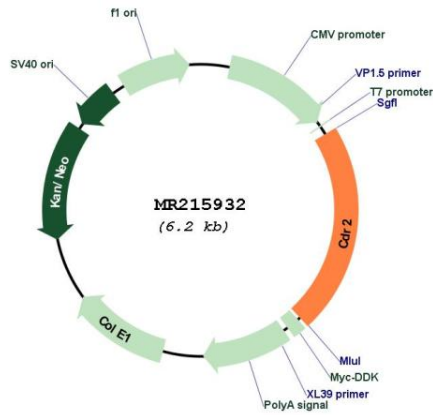
Locus ID: 12585

UniProt ID: [P97817](#)

Cytogenetics: 7 65.04 cM

MW: 52.1 kDa

Product images:



Circular map for MR215932