

Product datasheet for **MG215932**

Cdr2 (NM_007672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdr2 (NM_007672) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdr2
Synonyms:	AA617262
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG215932 representing NM_007672
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCAGATAACCTAGTGGAGGAGTTCGAGATGGAGGATGAGCCGTGGTACGACCACCGGGACCTCC
 AGCAAGATCTCCAGCTTCTGCTGCTGAACTTGAAAAGACGCTACTGGATCGGAACACAGAGTTGGAAGATTC
 TCTTCAGCAGATGTACACAACCAATCAGGAGCAGTTACAGGAAATCGAGTACCTGACCAAGCAGGTGGAG
 CTTCTACGGCAAATGAATGAGCAGCATGCGAAAGTTTATGAGCAGTTAGATGTCACAGCAAGAGAAGTGG
 AAGAAACCAACCAGAAGCTAGTTGCTGAGAGCAAGGCCTCACAGCAGAAAATCCTCAGCCTGACAGAAAAC
 AATTGAATGCCTGCAAACCAACATTGATCACCTGCAGAGCCAAGTGGAGGAGCTGAAGTCTTCCAGCCAA
 GGAAGAGGGAGGCAGAAGGCATGTGACCAGGAGAAAACCAGCACCCAGCTTCTCCTGTCTGAAAGAGCTGT
 ATGACCTCGCCAACTTTGTGTATGACCACGTGTCGCTGAGAAGATCACTTCCTTGCAGAGCCAACA
 GAGCCCTGATGAAGAAGAAAATGAGCACCTGAAAAGGCAGTGCAGATGTTGCAGGCCAGCTAAGTCTA
 GAGAGGAAGAAGCGAGTGAAGCTGGAGGCAGAGTATAAAGTGGTCTGAAGGAGAACAGTGAAGTGGAGC
 AGCAGCTGGGGCCACAGATGCCTACCGAGCCCGGCCCTGGAGTTGGAGGCAGAGGTGGCTGAGATGCG
 GCAGATGCTGCAGGCAGAGCATCTTTTGTGAATGGTGTGGAGAAGCTGGTGCCCGACTCTCTGTTTGT
 CCTTTCAAGGAGCCTAGCCAGAGTCTGCTGGAGGAAATGTTTCTGGCTGCTCCAGAAGCACCTAGAAAAC
 CACTCAAACGAAGCAGCAGTGAAGCGGCCTCAGCAGTTTGGCAGGGGATGACATCGTGAAGGACCATGA
 GGACACTTGCATCAGGAGGGCTAAGGCTGTGAAGCAGAGGGGCATCTCCCTTCTGCATGAAGTGGACACT
 CAGTACAGTGCCTGAAAGTGAAGTATGAAGAGCTACTGAAGAAGTCCAGCAGGAGCAGGACTCACTGT
 CACACAAGGCTGTGCAGACCTCTAGACTACTGACTAGGGACCTGACAGGACTGGTCAAGCAGTCTGAGGC
 GGGGGCCAGTGGCTGGGAACCCACCCCTGTAAGCCAGAGTCCATCAGTTCCCCCACCCTACACCTCCA
 GAATACAAAGCACTATTTAAGGAGATTTAGTTGCATCAAGAAAACAAAGCAGGAAATAGATGAACAGA
 GAACAAAATACCTTCTCTCCTCTTACTCGTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG215932 representing NM_007672
 Red=Cloning site Green=Tags(s)

MLADNLVEEFEMEPEWYDHRDLQQDLQLAAELGKTLDDRNELEDSLQQMYTTNQEQLQEIEYLTKQVE
 LLRQMNEQHAKVYEQLDVTARELEETNQKLVAESKASQQKILSLTETIECLQTNIDHLQSQVEELKSSSQ
 GRGRQKACDQEKPAFSFSLKELYDLRQHFVYDHFVFAEKITSLQSQSPDEEENEHLKKAVMQLQAQLSL
 ERKKRVSVEAEYKVVLEKENSELEQLGATDAYRARALELEAEVAEMRQMLQAEHPFVNGVEKLVPSLDFV
 PFKEPSQSLLEEMFLAAPEAPRKPLKRSSSETALSSLAGDDIVKDHECTCIRRAKAVKQRGISLLHEVDT
 QYSALKVYEEELLKCCQEQDSLHKAVQTSRLLTRDLTGLVTQSEAGASGWEPTPVSPESISSPTTTPP
 EYKALFKEIFSCIKKTKQEIDEQRTKYPSSLSSYSY

TRTRPLE – GFP Tag – V

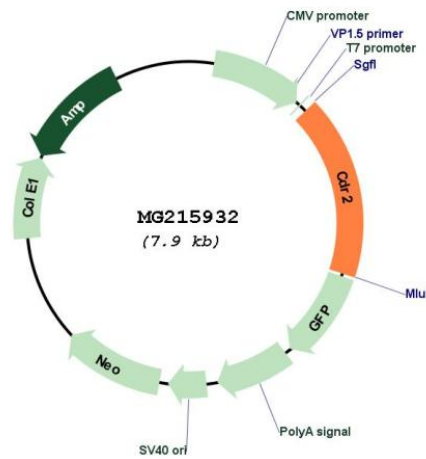
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007672

ORF Size: 1365 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:	<u>NM_007672.2</u> , <u>NP_031698.2</u>
RefSeq Size:	2525 bp
RefSeq ORF:	1368 bp
Locus ID:	12585
UniProt ID:	<u>P97817</u>
Cytogenetics:	7 65.04 cM