

Product datasheet for **RG204900**

CDR2 (NM_001802) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDR2 (NM_001802) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDR2
Synonyms:	CDR62; Yo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG204900 representing NM_001802
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCGGAAAACCTGGTAGAGGAGTTTGAGATGAAGGAGGACGAGCCGTGGTACGACCACCAGGACC
 TCCAGCAAGATCTTCAACTTGCTGCTGAGCTTGGGAAGACATTACTGGATCGGAACACAGAGTTGGAGGA
 CTCTGTTACGAGATGTATAACAACATCAGGAGCAGTTACAGGAAATTGAGTATCTGACGAAGCAAGTG
 GAACCTTACGGCAGATGAACGAACAACATGCAAAGGTTTATGAACAATTAGACGTCACAGCAAGGGAAC
 TGGAGAACAACAAATCAAAGCTAGTTGCTGACAGCAAGGCCTCACAGCAAAAGATTCTGAGCCTGACTGA
 AACGATTGAATGCCTGCAAACCAACATTGATCACCTCCAGAGCCAAGTGGAGGAGCTGAAGTCATCTGGC
 CAAGGGAGAAGGAGCCCGGAAAGTGTGACCAGGAGAAACCGGCCACCCAGCTTTGCATGTCTGAAGGAGC
 TGTATGACCTCCGCAACACTTCGTGTATGATCATGTGTTGCTGAGAAGATCACTTCCTTGAAGGTCA
 GCCAAGCCCTGATGAAGAGGAAAATGAGCACTTAAAAAAACAGTGACAATGTTGCAAGGCCAGCTGAGC
 CTGGAGCGGCAGAAAGCGGGTACTATGGAGGAGGAATATGGGCTCGTGTTAAAGGAGAACAGTGAAGTGG
 AGCAGCAGCTGGGGGCCACAGGTGCCTACCGAGCACGGGCGCTGGAAGTACAGGCGGAGGTGGCAGAGAT
 GCGACAGATGTTGCAGTCAGAGCATCCATTTGTGAATGGAGTTGAGAAGCTGGTCCAGACTCTCTGTAT
 GTTCCTTTCAAAGAGCCAGCCAGAGCCTGCTGGAAGAGATGTTCTGACTGTGCCGGAATCACATAGAA
 AGCCTCTCAAGCGCAGCAGCAGTGAAGCAGTCCAGCAGCTTGGCAGGGAGTGACATCGTGAAGGGCCA
 CGAGGAGACCTGCATCAGGAGGGCAAGGCTGTGAAACAGAGGGGCATCTCCCTTCTGCACGAAGTGGAC
 ACGCAGTACAGCGCCCTGAAGGTGAAGTATGAAGAGTTGCTGAAGAAGTGCCAAGAGGAACAGGACTCCC
 TGTCACACAAGGCTGTGCAGACCTCCAGGGCTGCAGCAAGGACCTGACTGGAGTGAACGCCAGCTCTGA
 GCCTGTTGCCAGCGGCTGGGAACCTGGCCTCTGTCAACCCAGAGCCGCTGAGTTCCCTACAACACCTCCA
 GAATACAAGCGTTGTTAAGGAGATCTTTAGTTGCATCAAGAAAATAAGCAGGAAATAGATGAACAGA
 GAACAAAATACCGATCACTCTCCTCTCATTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204900 representing NM_001802
 Red=Cloning site Green=Tags(s)

MLAENLVEEFEMKEDEPWYDHDQLQQDLQLAAELGKTLDDRNTLEDSVQQMYTTNQEQLQEIEYLTKQV
 ELLRQMNEQHAKVYEQLDVTARELEETNQKLVADSKASQQKILSLTETIECLQTNIDHLQSQVEELKSSG
 QGRRSPGKCDQEKPAFACFLKELYDLRQHFVYDHFVFAEKITSLQGQSPDEEENEHLKKTVMQLQAQLS
 LERQKRVTMEEYGLVLKENSELEQQLGATGAYRARALELEAEVAEMRQMLQSEHPFVNGVEKLVPSLY
 VPFKEPSQSLLEEMFLVPESHKPLKRSSETILSSLAGSDIVKGHEETCIRRAKAVKQIRGILLSLHEVD
 TQYSALKVKYEEELLKCCQEEQDSLHKAVQTSRAAAKDLTGVNAQSEPVASGWELASVNPPEPVSSPTTPP
 EYKALFKEIFSCIKKTKQEIDEQRTKYRSLSSH

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001802

ORF Size: 1362 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_001802.2](#)

RefSeq Size: 2702 bp

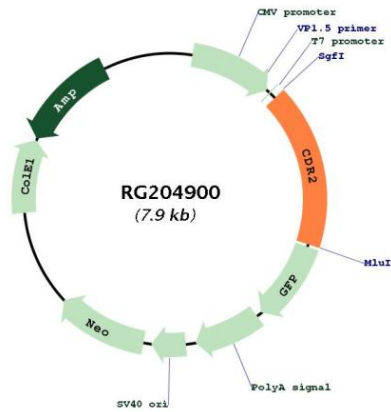
RefSeq ORF: 1365 bp

Locus ID: 1039

UniProt ID: [Q01850](#)

Cytogenetics: 16p12.2

Product images:



Circular map for RG204900