

Product datasheet for RC217579

CDR1 (NM_004065) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDR1 (NM_004065) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDR1
Synonyms:	CDR; CDR34; CDR62A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217579 representing NM_004065 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTGGTTGGAAGACGTGGATTTTCTGGAAGACGTACCTTTGTTGGAAGACATACCTTTGTTGGAAG
ACGTACCTTTGTTGGAAGACGTACCTTTGTTGGAAGACACAAGTAGGCTGGAAGACATTAATTTGATGGA
AGACATGGCTTTGTTGGAAGACGTGGATTTGCTGGAAGACACGGATTTCTGGAAGACCTGGATTTTTCG
GAAGCTATGGATTTGAGGAAGACAAGGATTTTCTGGAAGACATGGATAGTCTGGAAGACATGGCTTTGT
TGAAGACGTGGACTTGTGGAAGACACGGATTTCTGGAAGACCCGGATTTTTTGAAGCTATAGATTT
AAGGGAAGACAAGGATTTTCTGGAAGACATGGATAGTCTGGAAGACCTGGAGGCCATTGGAAGATGTGGA
TTTTCTGGAAGACATGGCTTTTTTGAAGACGTAGATTTTTCAGGAAGACCCAAATATCCGGAAGACTTG
GATTGTTGGAAGACGTGGATTTTCTGGAAGACTGGGAGGTTACTGGAAGACATGGATTTTCTGGAAGAC
ATGGATTTTCTGGAAGACGTGGATCTTCAGGAAGACATATATTGGCTGGAAGACCTGGATTTTTTCCGGA
AGATGTGGATTGACTGGAAGACCTGGATTTGTTGGAAGACGTAGATTTTCTGGAAGACACTGACTGACT
GGAAGACCTGGATTTCTTCTGGAAGACACTGATTGACTGGAAGACCTGGATTTCTTCTGGAAGACACT
GATTGACTGGAAGATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC217579 representing NM_004065
Red=Cloning site Green=Tags(s)

MAWLEDVDFLEDVPLLEDIPLLEDVPLLEDVPLLEDTSRLEDINLMEDMALLEDVDLLEDTDFLEDLDFS
 EAMDLREDKDFLEDMSLEDMALLEDVDLLEDTDFLEDPDFLEAIDLREDKDFLEDMSLEDLEAIGRCG
 FSGRHGFFGRRRFSGRPKLSGRLGLLGRRGFSGRLGGYKWTWIFWKTWIFWKTWIFRKYIGWKTWIFSG
 RCGLTGRPGFGRRRFWKTLDWKTWISFWKTLIDWKTWISFWKTLIDWKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3590_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_004065

ORF Size: 786 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_004065.2](#), [NP_004056.2](#)

RefSeq Size: 1299 bp

RefSeq ORF: 789 bp

Locus ID: 1038

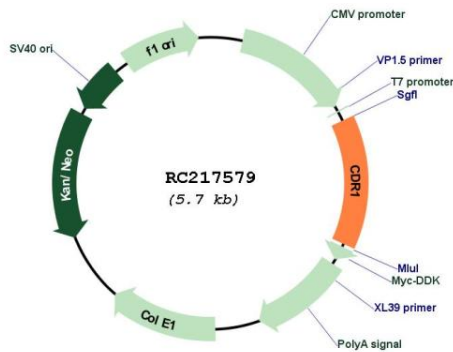
UniProt ID: [P51861](#)

Cytogenetics: Xq27.1

MW: 31.1 kDa

Gene Summary: Autoantibodies directed against the protein encoded by this intronless gene have been found in some patients with paraneoplastic cerebellar degeneration. The encoded protein contains several hexapeptide repeats. [provided by RefSeq, Jan 2010]

Product images:



Circular map for RC217579