

Product datasheet for **RG217579**

CDR1 (NM_004065) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDR1 (NM_004065) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDR1
Synonyms:	CDR; CDR34; CDR62A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217579 representing NM_004065 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

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

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217579 representing NM_004065
Red=Cloning site Green=Tags(s)

MAWLEDVDFLEDVPLLEDIPLLEDVPLLEDVPLLEDTSRLEDINLMEDMALLEDVDLLEDTDFLEDLDFS
 EAMDLREDKDFLEDMSLEDMALLEDVDLLEDTDFLEDPDFLEAIDLREDKDFLEDMSLEDLEAIGRCG
 FSGRHGFFGRRRFSGRPKLSGRLGLLGRRGFSGRLGGYWKTWIFWKTWIFWKTWIFRKYIGWKTWIFSG
 RCGLTGRPGFGRRRRFWKTLTDWKTWISFWKTLIDWKTWISFWKTLIDWKI

TRTRPLE - GFP Tag - V

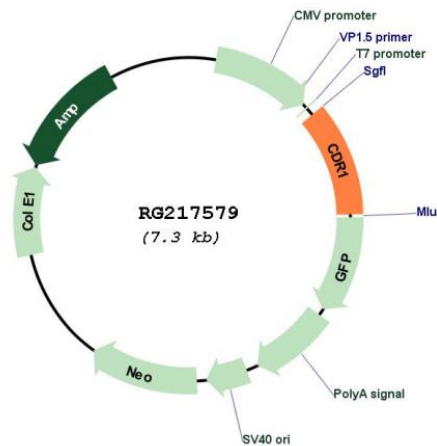
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<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:	NM_004065.2 , NP_004056.2
RefSeq Size:	1299 bp
RefSeq ORF:	789 bp
Locus ID:	1038
UniProt ID:	P51861
Cytogenetics:	Xq27.1
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]