

Product datasheet for **RR216476**

Cnr2 (NM_001164143) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cnr2 (NM_001164143) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cnr2
Synonyms: CB-2; CB2; CB2C; CNR2C
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216476 representing NM_001164143
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGGATGCCGGGAGCTGGAGTTGACCAACGGCTCCAATGGCGGCTTGGAGTTCAACCCTATGAAGG
 AGTACATGATCTTGAGTGATGCGCAGCAGATCGCTGTGGCGGTGTGTACCTGATGGGGCTGCTGAG
 TGCCCTGGAGAAGCTGGCTGTGCTCTATCTCATCCTGTCTCGCAGCGGCTCCGAGGAAGCCCTCGTAC
 CTGTTTCATCGGCAGCTTGCCGGAGCTGACTTCTGGCCAGCGTGATCTTTGCCTGCAACTTCGTATCT
 TCCATGTCTTTCACGGTGTGGACTCCAGGAATATCTTCTGTTGAAGATCGGCAGCGTGACCATGACCTT
 CACGGCCTCTGTGGGAGCCTGCTGCTGACCGCTGTTGACCGATACCTATGTCTGTGCTACCCACCTACC
 TACAAAGCTCTCGTCACCCGTGGGAGGGCACTGGTGGCCCTTGGTGTGATGTGGGTCTCTCGGCCTTGA
 TCTCTACCTACCGCTCATGGGGTGGACTTGTGTCTAGTCCCTGTTCTGAACCTTTCCCCCTGATCCC
 CAACGACTACCTCTGGGCTGGCTTCTTTTCATTGCCATCCTCTTTCTGGCATCATCTATACCTATGGG
 TATGCTCTCTGAAAGCACACCAACATGTAGCCAGCTTGGCTGAGCACCAGGACAGGACAGGTGCCTGGGA
 TAGCTCGGATGCGGCTAGACGTGAGTTGGCCAAGACTCTGGCCTGGTATGGCTGTTCTGCTCATATG
 CTGGTTCCTGCACTGGCTCTCATGGGCCATAGCCTGGTACCACACTGAGTGACAAGGTCAAGGAGGCC
 TTCGCTTCTGCTCCATGCTGTGCCTTGTAACTCCATGATCAATCCTATCATTTATGCCCTGCGGAGTG
 GAGAGATCCGCTCTGCTGCCAGCACTGCCTGACAGGCTGGAAGAAATATCTCCAGGGCCTCGGATCTGA
 GGGGAAAGAAGAAGCCCAAGTCTCAGTTACAGAGACAGAGGCTGAGGTGAAAACCACCACAGGGCCG
 GGATCCAGAACCAGGCTGCTCCAATTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216476 representing NM_001164143
Red=Cloning site Green=Tags(s)

MAGCRELELTNGSNGGLEFNPMKEYMILSDAQQI AVAVLCTLMGLLSALENVAVLYLILSSQRLRRKPSY
 LFIGSLAGADFLASVIFACNFVIFHVHFGVDSRNIFLLKIGSVMTFTASVGSLLLTAVDRYLCLCYPPT
 YKALVTRGRALVALGVMWVLSALISYPLMGWTCPCSPCELFPLIPNDYLLGWLLFIAILFSGIITYG
 YVLWKAHQHVASLAEHQDRQVPGIARMRLDVRLAKTLGLVMAVLLICWFPALALMGHSLVTTLSDKVKEA
 FAFCSMLCLVNSMINPIIYALRSGEIRSAAQHCLTGWKKYLQGLGSEGKEEAPKSSVTETEAEVKTTTGP
 GSRTPGCSNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

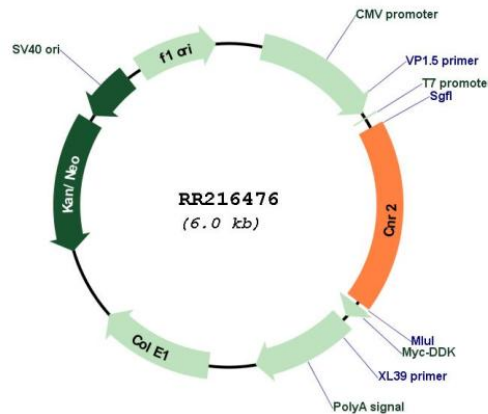
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164143

ORF Size:	1080 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_001164143.3 , NP_001157615.1
RefSeq Size:	3300 bp
RefSeq ORF:	1083 bp
Locus ID:	57302
UniProt ID:	Q9QZN9
Cytogenetics:	5q36
MW:	39.4 kDa
Gene Summary:	G-protein-coupled transmembrane receptor; pertussis toxin-sensitive modulator of adenylate cyclase activity [RGD, Feb 2006]