

Product datasheet for RR216475

Cnr2 (NM_001164142) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cnr2 (NM_001164142) 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: >RR216475 representing NM_001164142
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGGATGCCGGGAGCTGGAGTTGACCAACGGCTCCAATGGCGGCTTGGAGTTCAACCCTATGAAGG
 AGTACATGATCTTGAGTGATGCGCAGCAGATCGCTGTGGCGGTGCTGTGTACCCTGATGGGGCTGCTGAG
 TGCCCTGGAGAAGCTGGCTGTGCTCTATCTCATCCTGTCTCGCAGCGGCTCCGAGGAAGCCCTCGTAC
 CTGTTTCATCGGCAGCTTGCCGGAGCTGACTTCCTGGCCAGCGTGATCTTTGCCTGCAACTTCGTCATCT
 TCCATGTCTTTCACGGTGTGGACTCCAGGAATATCTTCTGTTGAAGATCGGCAGCGTGACCATGACCTT
 CACGGCCTCTGTGGGAGCCTGCTGCTGACCGCTGTTGACCGATACCTATGTCTGTGCTACCCACCTACC
 TACAAAGCTCTCGTCACCCGTGGGAGGGCACTGGTGGCCCTTGGTGTGATGTGGGTCCTCTCGGCCTTGA
 TCTCTACCTACCGCTCATGGGGTGGACTTGTGTCTAGTCCCTGTTCTGAACCTTTCCCCCTGATCCC
 CAACGACTACCTCCTGGGCTGGCTTCTTTTCATTGCCATCCTCTTTCTGGCATCATCTATACCTATGGG
 TATGCTCTCTGAAAGCACACCAACATGTAGCCAGCTTGGCTGAGCACCAGGACAGGAGGTGCCTGGGA
 TAGCTCGGATGCGGCTAGACGTGAGTTGGCCAAGACTCTGGCCTGGTATGGCTGTTCTGCTCATATG
 CTGGTTCCCTGCACTGGCTCTCATGGGCCATAGCCTGGTACCACACTGAGTGACAAGGTCAAGGAGGCC
 TTCGCTTCTGCTCCATGCTGTGCCTTGTAACTCCATGATCAATCCTATCATTTATGCCCTGCGGAGTG
 GAGAGATCCGCTCTGCTGCCAGCACTGCCTGACAGGCTGGAAGAAATATCTCCAGGGCCTCGGATCTGA
 GGGGAAAGAAGAAGCCCAAGTCTCAGTTACAGAGACAGAGGCTGAGGTGAAAACCACCACAGGGCCC
 GGATCCAGAACACCAGGCTGCTCCAATTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216475 representing NM_001164142
Red=Cloning site Green=Tags(s)

MAGCRELELTNGSNGGLEFNPMKEYMILSDAQQI AVAVLCTLMGLLSALENVAVLYLILSSQRLRRKPSY
 LFIGSLAGADFLASVIFACNFVIFHVHFGVDSRNIFLLKIGSVTMTFTASVGSLLLTAVDRYLCLCYPPT
 YKALVTRGRALVALGVMWVLSALISYPLMGWTCPCSPSELFP LIPNDYLLGWLLFIAILFSGIITYYG
 YVLWKAHQHVASLAEHQDRQVPGIARMRLDVRLAKTLGLVMAVLLICWFPALALMGHSLVTTLSDKVKEA
 FAFCSMLCLVNSMINPIIYALRSGEIRSAAQHCLTGWKKYLQGLGSEGKEEAPKSSVTETEAEVKTTTGP
 GSRTPGCSNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

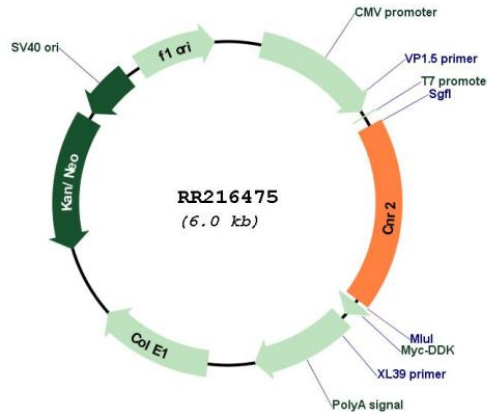
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164142

| | |
|-------------------------------|---|
| 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_001164142.3 , NP_001157614.1 |
| RefSeq Size: | 3198 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] |