

Product datasheet for RN216475

Cnr2 (NM_001164142) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cnr2 (NM_001164142) Rat Untagged Clone
Tag: Tag Free
Symbol: Cnr2
Synonyms: CB-2; CB2; CB2C; CNR2C
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216475 representing NM_001164142
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGGATGCCGGGAGCTGGAGTTGACCAACGGCTCCAATGGCGGCTTGGAGTTCAACCCTATGAAGG
AGTACATGATCTTGAGTGATGCGCAGCAGATCGCTGTGGCGGTGTGTACCCTGATGGGGCTGCTGAG
TGCCCTGGAGAAGCTGGCTGTGCTCTATCTCATCCTGTCTCGCAGCGGCTCCGACGGAAGCCCTCGTAC
CTGTTTCATCGGCAGCTTGCCGGAGCTGACTTCCTGGCCAGCGTGATCTTGCCTGCAACTTCGTATCT
TCCATGTCTTTCACGGTGTGGACTCCAGGAATATCTTCTGTTGAAGATCGGCAGCGTGACCATGACCTT
CACGGCTCTGTGGGAGCCTGCTGCTGACCGCTGTTGACCGATACCTATGTCTGTGCTACCCACCTACC
TACAAAGCTCTCGTCACCCGTGGGAGGGCACTGGTGGCCCTTGGTGTGATGTGGGTCTCTCGGCCTTGA
TCTCTACCTACCGCTCATGGGGTGGACTTGTGTCTAGTCCCTGTTCTGAACCTTTCCCCCTGATCCC
CAACGACTACCTCTGGGCTGGCTTCTTTTCATTGCCATCCTCTTTCTGGCATCATCTATACCTATGGG
TATGTCTCTGAAAGCACACCAACATGTAGCCAGCTTGGCTGAGCACCAGGACAGGACAGGTGCCTGGGA
TAGCTCGGATGCGGCTAGACGTGAGTTGGCCAAGACTCTGGCCTGGTATGGCTGTTCTGCTCATATG
CTGGTTCCTGCACTGGCTCTCATGGGCCATAGCCTGGTACCACACTGAGTGACAAGGTCAAGGAGGCC
TTCGCTTCTGCTCCATGCTGTGCCTTGTAACTCCATGATCAATCCTATCATTATGCCCTGCGGAGTG
GAGAGATCCGCTCTGCTGCCAGCACTGCCTGACAGGCTGGAAGAAATCTCCAGGGCCTCGGATCTGA
GGGAAAGAAGAAGCCCAAGTCTCAGTTACAGAGACAGAGGCTGAGGTGAAAACCACCACAGGGCCG
GGATCCAGAACACCAGGCTGCTCAATTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001164142



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Insert Size:	1083 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001164142.3, NP_001157614.1</u>
RefSeq Size:	3198 bp
RefSeq ORF:	1083 bp
Locus ID:	57302
UniProt ID:	<u>Q9QZN9</u>
Cytogenetics:	5q36
Gene Summary:	<p>G-protein-coupled transmembrane receptor; pertussis toxin-sensitive modulator of adenylate cyclase activity [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>