

Product datasheet for **RN204968**

Cnr2 (NM_020543) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnr2 (NM_020543) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cnr2
Synonyms:	CB-2; CB2; CB2C; CNR2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204968 representing NM_020543 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGATGCCGGGAGCTGGAGTTGACCAACGGCTCCAATGGCGGCTTGGAGTTCAACCCATGAAGG
AGTACATGATCTTGAGTGATGCGCAGCAGATCGCTGTGGCGGTGCTGTGTACCCTGATGGGGCTGCTGAG
TGCCCTGGAGAACGTGGCTGTGCTCTATCTCATCTGTCTCGCAGCGGCTCCGCAGGAAGCCCTCGTAC
CTGTTTCATCGGCAGCTTGGCCGGAGCTGACTTCTGCGCAGCGTGATCTTTGCCTGCAACTTCGTCATCT
TCCATGTCTTTCACGGTGTGACTCCAGGAATATCTTCTGTTGAAGATCGGCAGCGTGACCATGACCTT
CACGGCCTCTGTGGCAGCCTGTGCTGACCGCTGTTGACCGATACCTATGTCTGTGCTACCCACCTACC
TACAAAGCTCTCGTCACCCGTGGGAGGGCACTGGTGGCCCTTGGTGTGATGTGGGTCTCTCGGCCTTGA
TCTCTACCTACCGCTCATGGGGTGGACTTGTGTCTAGTCCCTGTTCTGAACTTTTCCCCTGATCCC
CAACGACTACCTCCTGGGCTGGCTTCTTTTCATTGCCATCCTCTTTCTGGCATCATCTATACCTATGGG
TATGTCTCTGGAAGCACACCAACATGTAGCCAGCTTGGCTGAGCACCAGGACAGGCAGGTGCCTGGGA
TAGCTCGGATGCGGCTAGACGTGAGGTTGGCCAAGACTCTGGCCTGGTTCATGGCTGTTCTGCTCATATG
CTGGTTCCCTGCACTGGCTCTCATGGCCATAGCCTGGTACCACACTGAGTGACAAGGTCAAGGAGGCC
TTCGCCTTCTGCTCCATGCTGTGCCTTGTAACTCCATGATCAATCCTATCATTATGCCCTGCGGAGTG
GAGAGATCCGCTCTGCTGCCAGCACTGCCTGACAGGCTGGAAGAAATATCTCCAGGGCCTCGGATCTGA
GGGAAAGAAGAAGCCCAAGTCTCAGTTACAGAGACAGAGGCTGAGACTCTGGTCTGAAGGATAAG
CAGGAGTTGGGAGGAGACTGCCTGCTGCGGACATCCTCGATCCACAGCCCATGTGTCTCTGCGAGATT
CAGCCAACAGACAAGACGTCCGTCCCCATTGCCAGAGGAACTAACATGGTGGTTCAGTGAGAAGACC
AATCAGCCTCCCTAATAAAGCAGGGCAGTCCACTCTGCTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1502_d06.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_020543
Insert Size:	1233 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).
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_020543.4 , NP_065418.3
RefSeq Size:	1728 bp
RefSeq ORF:	1233 bp
Locus ID:	57302
UniProt ID:	Q9QZN9
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 (3) has multiple differences in the coding region compared to variant 1. The resulting protein (isoform 2) is longer and has a distinct C-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>