

Product datasheet for **RR212368**

Cnr1 (NM_012784) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnr1 (NM_012784) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnr1
Synonyms:	SKR6R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212368 representing NM_012784
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGTCGATCCTAGATGGCCTTCGACACACCACCTTCCGTACCATCACCACAGACCTCCTCTACGTGG
 GCTCGAATGACATTTCAGTATGAAGATATCAAAGGAGACATGGCATCCAAATTAGGATACTTCCCACAGAA
 ATTCCCTCTAACTTCCTTCAGGGGTAGTCCCTTCCAAGAAAAGATGACCGCAGGAGACAACCTCCCGTTG
 GTCCCAGCAGGAGACACAACAACATTACAGAGTTCTATAACAAGTCTCTCTCGTCGTTCAAGGAGAATG
 AGGAGAACATCCAGTGTGGGGAGAACTTTATGGACATGGAGTGTCTTATGATTCTGAATCCAGCCAGCA
 GCTGGCCATCGCTGTACTGTCCCTCACACTGGGCACCTTCACGGTTCTGGAGAACCTACTGGTGTGTGT
 GTCATCCTGCACTCCCGCAGTCTCCGATGCAGGCCTTCTACCCTTTCATCGGCAGCCTGGCAGTGGCCG
 ACCTCCTGGGAAGTGTCAATTTTGTGTACAGCTTTGTTGACTTCCATGTATTCCACCGTAAAGACAGCCC
 CAATGTGTTTCTGTTCAAACCTGGGTGGGGTTACAGCCTCCTTACAGCTTCTGTGGGCAGCCTGTTCCCTC
 ACAGCCATCGACAGGTACATATCCATTCACAGGCCTCTGGCCTATAAGAGGATCGTCACCAAGGCCAAGG
 CCGTTGTGGCCTTTTGCCTGATGTGGACTATCGCAATAGTAATCGCTGTGTTGCCTCTCCTGGGCTGGAA
 CTGCAAGAAGCTGCAATCTGTTTGTCTGGACATTTTCCACTCATTGACGAGACCTACCTGATGTTCTGG
 ATGGGGTGACCAGTGTGCTGCTGCTGTTTATTGTGTACGCGTACATGTACATTCCTGGAAGGCTCACA
 GCCACGCGGTCCGCATGATTACGCGTGGGACCCAGAAGAGCATCATCCACACGTGAGAAGACGGCAA
 GGTGCAGGTGACCGGCCTGACCAAGCCCGCATGGACATTAGGCTGGCCAAAACCTGGTTCTGATCCTG
 GTGGTGTGATCATCTGCTGGGGCCCTCTGCTTGCATCATGGTGTATGACGTCTTCGGGAAGATGAACA
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 CAGCCTCTAGACAACAGCATGGGGGACTCAGACTGCCTGCACAAGCACGCCAACAACACAGCCAGCATGC
 ACAGGGCCCGGAGAGCTGCATCAAGAGCACCGTTAAGATCGCGAAGGTGACCATGTCTGTGTCCACAGA
 CACGTCCGCCGAGGCTCTG

ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

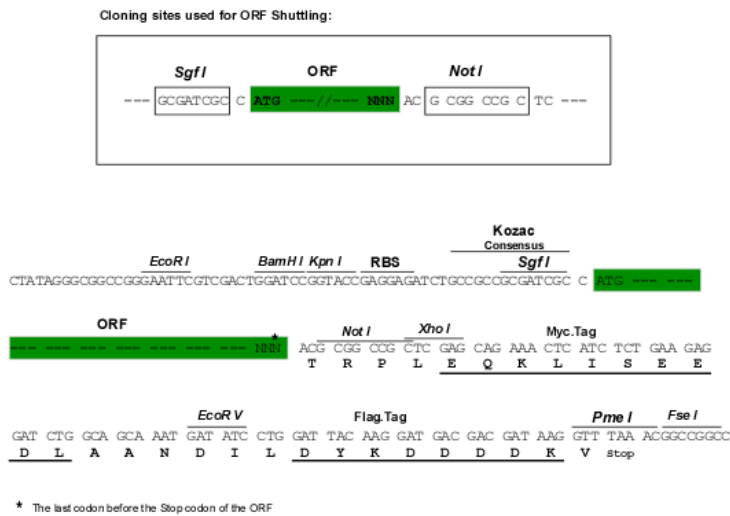
>RR212368 representing NM_012784
 Red=Cloning site Green=Tags(s)

MKSILDGLADTTFRITITDILLYVGSNDIQYEDIKGDMSKLGYPQKFPPLTSFRGSPFQEKMTAGDNSPL
 VPAGDNTNITFYNKSLSSFKENEENIQCGENFMDMECFMILNPSQQLAIAVLSLTLGFTVLENLLVLC
 VILHSRSLRCRPSYHFIGSLAVADLLGSVIFVYSFVDFHFVHRKDSPNVFLFKLGGVTASFTASVGSFL
 TAIDRYISIHRLAYKRIVTRPKAVVAFCLMWTIAIIVIAVPLLLGWNCCKLQSVCSDFPLIDETYLFW
 IGVTSVLLLFIVYAYMYILWKAHSHAVRMIQRGTQKSIIIHTSEDGKVVTRPDQARMDIRLAKTLVLIL
 VVLIICWGPLLAIMVYDVFVKMNKLIKTVFAFCMLCLLNSTVNPPIIYALRSKDLRHAFRSMFSPCEGTA
 QPLDNSMGDSCLHKHANNASMHRAAESCIKSTVKIAKVTMSVSTDTSAEAL

TRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-NotI

Cloning Scheme:


ACCN: NM_012784

ORF Size: 1419 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:

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_012784.4](#), [NP_036916.1](#)

RefSeq Size: 5465 bp

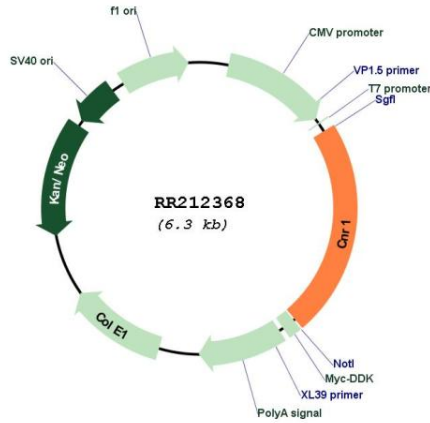
RefSeq ORF: 1422 bp

Locus ID: 25248

UniProt ID: [P20272](#)

Cytogenetics: 5q21
MW: 52.8 kDa
Gene Summary: G-protein coupled receptor for psychoactive cannabinoids; may mediate inhibition of NO production and participate in retrograde signaling by endocannabinoids [RGD, Feb 2006]

Product images:



Circular map for RR212368