

Product datasheet for **RC228915**

Cannabinoid Receptor I (CNR1) (NM_001160226) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cannabinoid Receptor I (CNR1) (NM_001160226) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cannabinoid Receptor I
Synonyms:	CANN6; CB-R; CB1; CB1A; CB1K5; CB1R; CNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC228915 representing NM_001160226
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGTCGATCCTAGATGGCCTTGCAGATACCACCTTCCGCACCATCACCCTGACCTCCTGTACGTGG
 GCTCAAATGACATTTCAGTACGAAGACATCAAAGGTGACATGGCATCCAAATTAGGGTACTTCCCACAGAA
 ATTCCCTTTAACTTCTTTAGGGGAAGTCCCTTCCAAGAGAAGATGACTGCGGGAGACAACCCCAAGCTA
 GTCCCAGCAGACCAGGTGAACATTACAGAAATTTACAACAAGTCTCTCTCGTCTTCAAGGAGAATGAGG
 AGAACATCCAGTGTGGGAGAACTTTCATGGACATAGAGTGTTCATGGTCTGAACCCAGCCAGCAGCT
 GGCCATTGCAGTCTGTCCCTCACGCTGGGCACCTTACGGTCTGGAGAACCTCCTGGTGTGTGCGTC
 ATCTCCACTCCCGCAGCCTCCGCTGCAGGCCCTTCTACCACTTCATCGGCAGCCTGGCGGTGGCAGACC
 TCCTGGGAGTGTCAATTTGTCTACAGCTTATTGACTTCCACGTGTTCCACCGCAAAGATAGCCGCAA
 CGTGTCTCTGTTCAAACGGGTGGGTACGGCCTCTTCACTGCCTCCGTGGGAGCCTGTTCTCACA
 GCCATCGACAGGTACATATCCATTACAGGCCCTTGGCCTATAAGAGGATTGTCACCAGGCCAAGGCCG
 TGGTGGCGTTTTGCCTGATGTGGACCATAGCCATTGTGATCGCCGTGCTGCCTCTCTGGGCTGGAAGT
 CGAGAACTGCAATCTGTTTGTCTCAGACATTTCCACACATTGATGAAACCTACCTGATGTTCTGGATC
 GGGGTACCAGCGTACTGCTTCTGTTTTCATCGTGTATGCGTACATGATATTTCTCTGGAAGGCTCACAGCC
 ACGCCGTCGCGATGATTCAGCGTGGCACCAGAAGAGCATCATATCCACACGTCTGAGGATGGGAAAGT
 ACAGGTGACCCGGCCAGACCAAGCCGCATGGACATTAGGTTAGCCAAGACCCTGGTCTGATCCTGGTG
 GTGTTGATCATCTGCTGGGCCCCTGCTTGAATCATGGTGTATGATGTCTTTGGGAAGATGAACAAGC
 TCATTAAGACGGTGTGTTGCAATTCAGTATGCTGCCTGCTGAACCTCCACCGTGAACCCATCATCTA
 TGCTCTGAGGAGTAAGGACCTGCGACACGCTTTCGGGAGCATGTTCCCTCTTGTGAAGGCACTGCGCAG
 CCTCTGGATAACAGCATGGGGACTCGGACTGCCTGCACAAACGCAAAACAATGCAGCCAGTGTTCACA
 GGGCCGAGAAAGCTGCATCAAGAGCACGGTCAAGATTGCCAAGTAACCATGTCTGTGTCCACAGACAC
 GTCTGCCGAGGCTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228915 representing NM_001160226
 Red=Cloning site Green=Tags(s)

MKSILDGLADTTFRITITDLLYVGSNDIQYEDIKGDMSKLGYPQKFPPLTSFRGSPFQEKMTAGDNPQL
 VPADQVNITFYNKLSLSSFKENEENIQCGENFMDIECFMVLNPSQQLAIAVLSLTLGTFVLENLLVLCV
 ILHSRSLRCRPSYHFIGSLAVADLLGSVIFVYSFIDFHVFRKDSRNVFLFKLGGVTASFATASVGSFLF
 AIDRYISIHRLAYKRIVTRPKAVVAFCLMWTIAIVIAVPLLLGWNCLEKQSVCSDFPHIDETYLFWI
 GVTSVLLLFIVYAYMYILWKAHSHAVRMIQRGTQKSIIHTSEDGKVQVTRPDQARMDIRLAKTLVLILV
 VLIICWGPLLAIMVYDVFVKMNLKIKTVFAFCMLCLLNSTVNPPIYALRSKDLRHAFRSMFPCSCEGTAQ
 PLDNSMGDSDCLHKHANNAASVHRAAESCIKSTVKIAKVTMSVSTDTSAEAL

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

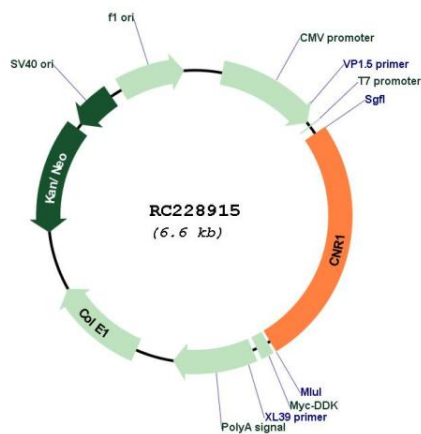
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 52.7 kDa

Gene Summary: This gene encodes one of two cannabinoid receptors. The cannabinoids, principally delta-9-tetrahydrocannabinol and synthetic analogs, are psychoactive ingredients of marijuana. The cannabinoid receptors are members of the guanine-nucleotide-binding protein (G-protein) coupled receptor family, which inhibit adenylate cyclase activity in a dose-dependent, stereoselective and pertussis toxin-sensitive manner. The two receptors have been found to be involved in the cannabinoid-induced CNS effects (including alterations in mood and cognition) experienced by users of marijuana. Multiple transcript variants encoding two different protein isoforms have been described for this gene. [provided by RefSeq, May 2009]

Product images:



Circular map for RC228915