

Product datasheet for **RN206382**

Crhr1 (NM_030999) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crhr1 (NM_030999) Rat Untagged Clone
Tag: Tag Free
Symbol: Crhr1
Synonyms: CRFR1; CRH-R 1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206382 representing NM_030999
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGACGGCGCCCGCAGCTCCGGCTCGTGAAGGCCCTTCTCCTTCTGGGGCTGAACCTGTGTCCACCT
 CCCTTCAGGATCAGCGCTGTGAGAACCTGTCCCTGACCAGCAATGTTTCTGGCCTGCAGTCAATGCATC
 CGTGGACCTCATTGGCACCTGTGGCCCGGAGCCCTGCGGGCCAGTTGGTGGTCCGACCCTGCCCTGCC
 TTTTTCTACGGGTGCCGCTACAACACGACAACAATGGCTACCGGAGTGCCTGGCCAACGGCAGCTGGG
 CAGCCCGTGTGAATTATTCTGAGTGCCAGGAGATTCTAACGAAGAGAAGAAGAGCAAAGTACACTACCA
 TGTTGCAGTCATCACTACCTGGTCACTGCATCTCCCTGGTAGCCCTCCTGGTGGCCTTTGTCCCTC
 TTCTTGGCGCTCAGGAGCATCCGGTGCCTGAGAAACATCATCCACTGGAACCTCATCTCGGCTTTCATCC
 TACGCAACGCCACGTGGTTTGTGGTCCAGCTCACCGTGAAGCCCGAGGTGCACCAGAGCAATGTGGCCTG
 GTGTAGTTGGTGACAGCCGCTACAATTACTTCCATGTAACCAACTTCTTCTGGATGTTCCGGTGAAGGC
 TGCTACCTGCACACAGCCATTGTGCTCAGTACTCCACCGACCGTCTGCGCAAGTGGATGTTCTGCTGCA
 TTGGCTGGGGTGTACCTTCCCATCATTTGGCTTGGCCATTGGGAAGCTGCACTACGACAATGAAAA
 GTGCTGGTTTGGCAAACGCTCCTGGGTATACACTGACTACATCTACCAGGCCCCATGATCCTGGTCCCTG
 CTGATCAACTTTTCTTTCTCTTCAACATTGTCCGCATCCTCATGACCAACTCCGGGCATCCACTACAT
 CTGAGACCATTAGTACAGGAAGGCTGTGAAGGCACTCTGGTGCCTCTGCCCTTCTGGGCATCACCTA
 CATGTTGTTCTTCGTCACCCCTGGAGAGGACGAGGTCTCCAGGGTCTTCTCATCTACTTCAACTTTTT
 CTGGAGTCTTTAGGGCTTCTTTGTGCTGTGTTCTACTGTTTTCTGAACAGTGAGGTCCGCTCCGCTA
 TCCGGAAGAGGTGGCGTCCGGTGGCAGGACAAGCACTCCATCAGAGCCCGAGTGGCCCGAGCTATGCCAT
 CCCCACCTCCCCGACCAGAGTCAGCTTTCACAGCATCAAGCAGTCCACAGCAGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites: Sgfl-Mlul

ACCN: NM_030999

Insert Size: 1248 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_030999.4](#), [NP_112261.1](#)

RefSeq Size: 2510 bp

RefSeq ORF: 1248 bp

Locus ID: 58959

UniProt ID: [P35353](#)

Cytogenetics: 10q32.1

Gene Summary: This gene encodes a member of the G-protein coupled receptor family. The encoded protein is a receptor for corticotropin-releasing factor (CRH) and urocortin (UCN). The interaction of this protein with CRH and UCN triggers G-protein coupled signaling. This protein plays a pivotal role in mediating the CRH-elicited effects in depression and anxiety. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014] Transcript Variant: This variant (1) encodes the longer 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.