

Product datasheet for **MC227664**

Crhr2 (NM_001288618) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crhr2 (NM_001288618) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crhr2
Synonyms:	CRF-R2; Crfr2; CRFR2alpha; CRFR2beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC227664 representing NM_001288618
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACCCAGGCTCTCTCCAGTGCACAGCTTCTCCTCGCTGTTTTCCCTGCTTCCAGTGTCTCC
 AGGTGGCCCAACCAGGCCAGGCACCCAGGACCCAGCCCTGTGGACACTTTTGGAGCAGTACTGCCACAG
 GACCACAACCTGGGAATTTTTAGGTCCCTACACCTACTGCAACACGACCTTGGACCAGATCGGGACCTGC
 TGGCCACAGAGCGCACCCGGAGCCCTAGTAGAGAGACCGTCCCCGAGTACTTCAATGGCATCAAGTACA
 ACACGACCCGGAATGCCTACAGAGAGTGCCTGGAGAACGGGACCTGGGCCTCAAGGGTCAACTACTACA
 CTGCGAACCCATTTTGGATGACAAGCAGAGAAAGTATGACCTGCATTACCGAATCGCCCTCATTGTCAAC
 TACCTGGTCACTGTGTTCCGTGGTGGCCCTGGTGGCCGCTTTCCTGCTTTTCTAGTGTGCGGAGTA
 TCCGCTGCCTGAGGAATGTGATCCACTGGAACCTCATACCACCTTCATTCTGAGAAACATCGCGTGGTT
 CCTGCTGCAACTCATCGACCACGAAGTGCACGAGGGCAATGAGGTCTGGTCCGCTGCATCACCACCATC
 TTCAACTATTTTGTGGTACCAACTTCTTCTGGATGTTTGTGGAGGGCTGCTACCTGCACACGGCCATTG
 TCATGACGTACTCCACAGAGCACCTGCGCAAGTGGCTTTTCTCTTCATTGGATGGTGCATTCCCTGCC
 TATCATCATCGCCTGGGAGTTGGCAAACCTACTATGAGAATGAGCAGTGTGGTTTGGCAAGGAAGCT
 GGTGATTTGGTGGACTACATCTACCAGGGCCCCGTATGCTTGTGCTGTTGATCAATTTTGTATTCTGT
 TTAACATCGTCAGGATCCTGATGACGAAGTTACGAGCATCCACCACGTCAGGACAATCCAATACAGGAA
 GGCAGTGAAGGCCACGCTGGTCCCTCCCCCTGTTGGGCATCACCTACATGCTCTTCTTTGTCAATCCT
 GGCGAGGACGACCTGTCCAGATTGTGTTCACTACTTCAACTCTTTCCTGCAGTCTTCCAGGGTTTCT
 TTGTGTCGGTTTTTCTACTGCTTCTTCAATGGAGAGGTGCGCGCGCCCTGAGAAAGCGGTGGCACCCTG
 GCAGGACCACCGCCCTCCGGGTGCCTGTGGCCCGGCCATGTCCATCCCTACGTGCCACACAGGATC
 AGCTTCCACAGCATCAAGCAGACAGCTGCTGTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Chromatograms:** https://cdn.origene.com/chromatograms/ja3203_c06.zip
- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001288618
- Insert Size:** 1296 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:

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_001288618.1](#), [NP_001275547.1](#)

RefSeq Size: 2700 bp

RefSeq ORF: 1296 bp

Locus ID: 12922

Cytogenetics: 6 27.33 cM

Gene Summary: G-protein coupled receptor for CRH (corticotropin-releasing factor), UCN (urocortin), UCN2 and UCN3. Has high affinity for UCN. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and down-stream effectors, such as adenylate cyclase. Promotes the activation of adenylate cyclase, leading to increased intracellular cAMP levels.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).