

Product datasheet for MC227557

Crhr2 (NM_001288619) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crhr2 (NM_001288619) 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)
Fully Sequenced ORF:	>MC227557 representing NM_001288619 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCGGGCTGCTCCTCAGCCTGCTGGAGGCCAACTGCAGCCTGGCGCTGGCCGAAGAGCTGCTCC
TGGACGGCTGGGAGTGCCCCGGACCCGAAGGTCCTACACCTACTGCAACACGACCTTGACCAGAT
CGGGACCTGCTGGCCACAGAGCGCACCCGGAGCCCTAGTAGAGAGACCGTGGCCCGAGTACTTCAATGGC
ATCAAGTACAACACGACCCGGAATGCCTACAGAGAGTGCCTGGAGAACGGGACCTGGCCCTCAAGGGTCA
ACTACTCACACTGCGAACCCATTTTGGATGACAAGCAGAGAAAGTATGACCTGCATTACCGAATCGCCCT
CATTGTCAACTACCTGGGTCACTGTGTTCCGTGGTGGCCCTGGTGGCCGCTTTCCTGCTTTTCTAGTG
CTGCGGAGTATCCGCTGCCTGAGGAATGTGATCCACTGGAACCTCATCACCACCTTCATTCTGAGAAACA
TCGCGTGGTTCTGCTGCAACTCATCGACCACGAAGTGCACGAGGGCAATGAGGTCTGGTGGCCGCTGCAT
CACCACCATCTTCAACTATTTTGGTCACTCACTTCTTCTGGATGTTTGTGGAGGGCTGTACCTGCAC
ACGGCCATTGTCATGACGTACTCCACAGAGCACCTGCGCAAGTGGCTTTTCTTTCATTGGATGGTGA
TTCCCTGCCCTATCATCATCGCCTGGCAGTTGGCAACTCTACTATGAGAATGAGCAGTGTGTTTGG
CAAGGAAGCTGGTGAATTTGGTGGACTACATCTACCAGGGCCCCGTCATGCTTGTGCTGTTGATCAATTTT
GTATTTCTGTTTAAACATCGTCAGGATCCTGATGACGAAGTTACGAGCATCCACCAGTCCGAGACAATCC
AATACAGGAAGGAGTGAAGGCCACGCTGGTCTCCTCCCTGTTGGGCATCACCTACATGCTCTTCTT
TGTCATCCTGGCGAGGACGACCTGTCCAGATTGTGTTTCACTTCACTCTTTCTGCAGTCTTTC
CAGGGTTTCTTTGTGCTGTTTCTACTGCTTCTTCAATGGAGAGGTGCGCGGGCCCTGAGAAAGCGGT
GGCACCCTGGCAGGACCACCGCCCTCCGGGTGCCTGTGGCCCGGCCATGTCCATCCCTACGTCGCC
CACCAGGATCAGTTCCACAGCATCAAGCAGACAGCTGCTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Chromatograms:	https://cdn.origene.com/chromatograms/ja3203_d05.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001288619
Insert Size:	1236 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:	<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_001288619.1 , NP_001275548.1
RefSeq Size:	2607 bp
RefSeq ORF:	1236 bp
Locus ID:	12922
UniProt ID:	Q60748
Cytogenetics:	6 27.33 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus compared to isoform 1.</p>