

## Product datasheet for MR229875

### Crhr2 (NM\_001288618) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Crhr2 (NM_001288618) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crhr2
Synonyms:	CRF-R2; Crfr2; CRFR2alpha; CRFR2beta
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229875 representing NM_001288618 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGACCCAGGCTCTTCCCAGTGCACAGCTTCTCCTCGCCTGTTTTCCCTGCTCCAGTGCTCC  
AGGTGGCCCAACCAGGCCAGGCACCCAGGACCAGCCCCTGTGGACACTTTGGAGCAGTACTGCCACAG  
GACCACAACCTGGGAATTTTTAGGTCCCTACACCTACTGCAACAGACCTTGGACCAGATCGGGACCTGC  
TGGCCACAGAGCGCACCCGGAGCCCTAGTAGAGAGACCGTGCCCGAGTACTTCAATGGCATCAAGTACA  
ACACGACCCGGAATGCCTACAGAGAGTGCCTGGAGAACGGGACCTGGGCCTCAAGGGTCAACTACTCACA  
CTGCGAACCCATTTGGATGACAAGCAGAGAAAGTATGACCTGCATTACCGAATCGCCCTCATTGTCAAC  
TACCTGGGTCACTGTGTTTCCGTGGTGGCCCTGGTGGCCGCTTTCCTGCTTTTCTAGTGCTGCGGAGTA  
TCCGCTGCCTGAGGAATGTGATCCACTGGAACCTCATCACCACCTTATTCTGAGAAACATCGCGTGTT  
CCTGCTGCAACTCATCGACCACGAAGTGCACGAGGGCAATGAGGTCTGGTCCGCTGCATCACCACCATC  
TTCAACTATTTTGTGGTACCAACTTCTTCTGGATGTTTGTGGAGGCTGCTACCTGCACACGGCCATTG  
TCATGACGTAACACAGAGACCTGCGCAAGTGGCTTTTCTCTTATTGGATGGTGCATTCCTCCCGCC  
TATCATCATCGCCTGGGAGTTGGCAAACCTACTATGAGAATGAGCAGTGTGGTTTGGCAAGGAAGCT  
GGTGATTTGGTGGACTACATCTACCAGGCCCCGTCATGCTTGTGCTGTTGATCAATTTGTATTCTGT  
TTAACATCGTCAGGATCCTGATGACGAAGTTACGAGCATCCACCACGTCGAGACAATCCAATACAGGAA  
GGCAGTGAAGGCCACGCTGGTCTCCTCCCCCTGTTGGGCATCACCTACATGCTCTTCTTTGTCAATCCT  
GGCGAGGACGACCTGTCCAGATTGTGTTCACTACTTCAACTCTTCTGCAGTCTTCCAGGGTTTCT  
TTGTGTCCGTTTTCTACTGCTTCTTCAATGGAGAGGTGCGCGGGCCCTGAGAAAGCGGTGGCACCCTG  
GCAGGACCACCGCCCTCCGGTGCCTGTGGCCCGGCCATGTCCATCCCTACGTGCCCCACCAGGATC  
AGCTTCCACAGCATCAAGCAGACAGCTGCTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR229875 representing NM\_001288618  
Red=Cloning site Green=Tags(s)

MGTPGSLPSAQLLLCLFSLLPVLQVAQPQAPQDQPLWTLLEQYCHRTTTGNFSGPYTYCNTTLDQIGTC  
 WPQSAPGALVERPCPEYFNGIKYNTTRNAYRELENGTWASRVNYSHCEPILDDKQRKYDLHYRIALIVN  
 YLGHCVSVVALVAFFLLFLVLRISIRCLRNVIHWNLIITFFILRNIAWFLQLIDHEVHEGNEVWCRCITTI  
 FNYFVVTNFFWMFVEGCVLHTAIVMTYSTEHLRKWFLF IGWCIPCP IIIAWAVGKLYYENEQCWFGKEA  
 GDLDVYIYQGPVMLVLLINFLVFLNIVRILMTKLRASSTSETIQYRKAVKATLVLPLLLGITYMLFFVNP  
 GEDDLSQIVFIYFNSFLQSFQGFVSVFYCFNGEVRAALRKRWHRWQDHHALRPVPARAMSIPTSPTRI  
 SFHSIKQTAAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

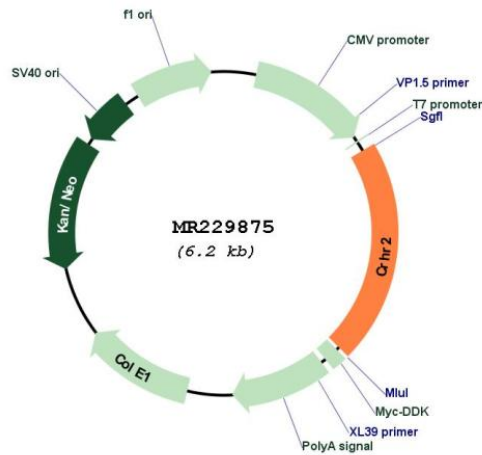
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001288618

<b>ORF Size:</b>	1293 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001288618.1</a> , <a href="#">NP_001275547.1</a>
<b>RefSeq Size:</b>	2700 bp
<b>RefSeq ORF:</b>	1296 bp
<b>Locus ID:</b>	12922
<b>Cytogenetics:</b>	6 27.33 cM
<b>MW:</b>	50.4 kDa
<b>Gene Summary:</b>	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]