

Product datasheet for **RR206899**

Crhr2 (NM_022714) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crhr2 (NM_022714) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Crhr2
Synonyms:	CRF-R 2; Crf2r; CRH-R 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206899 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGCGGGCTGCTCCTCAGCCTGCTGGAGGCCAACTGCAGCCTGGCACTGGCCGAAGAGCTGCTTT
TGGACGGCTGGGAGAGCCCCGGACCCGAAGTCCCTACTCCTACTGCAACACGACCTTGACCAGAT
CGGGACCTGCTGGCCCCAGAGCGCGCCTGGAGCCCTAGTGGAGAGACCATGCCCGAATACTTCAACGGC
ATCAAGTACAACACGACCCGGAATGCCTACAGAGAATGCCTGGAGAATGGGACCTGGCCCTCAAGGATCA
ACTACTCACACTGTGAACCCATTTTGGATGACAAGCAGAGGAAGTATGACCTGCATTACCGAATCGCCCT
CATCATCAACTACCTGGGCCACTGTGTTCCGTGGTGGCCCTGGTGGCTGCTTTCCTGCTTTTCTAGT
CTGCGGAGTATCCGCTGCCTGCGGAATGTGATCCACTGGAACCTCATCACCACCTTCATCCTGAGAAACA
TCACGTGGTTCCTGCTGCAACTCATCGACCACGAAGTGCATGAGGGCAATGAGGTCTGGTCCGCTGCGT
CACCACCATATCAACTACTTTGTGGTCACTTCTTCTGGATGTTTGTGGAAGGCTGTACCTGCAC
ACGGCCATCGTCATGACGTACTCCACGGAGCATCTGCGCAAGTGGCTCTTCTTTCATTGGATGGTGCA
TACCCTGCCATCATTGTGCGCTGGCAGTTGGCAAACCTACTATGAGAATGAGCAGTGTGTTTGG
CAAGGAACCTGGTACTTAGTGGACTACATCTACCAGGGCCCCATCATCCTCGTGCTCCTCATCAATTTT
GTGTTTCTGTTCAACATCGTCAGGATCCTGATGACAAAACCTGCGAGCCTCACCACATCCGAGACCATCC
AGTACAGGAAGGAGTGAAGGCCACCCTGGTCTCCTCCCCTGTTGGGCATCACCTACATGCTCTTCTT
TGTCATCCTGGAGAGGACGACCTGTACAGATTGTGTTTACTTCAACTCTTTCCTGCAGTCCCTT
CAGGGTTTCTTGTGCTGTTTCTACTGCTTCTTCAATGGAGAGGTGCGCTCCGCCCTGAGAAAGCGGT
GGCACCCTGGCAGGACCACCACGCCCTCCGAGTGCCTGTGGCCGGCCATGTCCATCCACATCGCC
CACCAGGATCAGCTTCCACAGCATCAAGCAGACAGCTGCCGTG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR206899 protein sequence
Red=Cloning site Green=Tags(s)

MDAALLSLLEANCSLALAEELLDGWGEPDPEGPYSYCNTTLDQIGTCWPQSAPGALVERPCPEYFNG
 IKYNTTRNAYRELENGTWASRINYSHCEPILDDKQRKYDLHYRIALIIINYLGHCVSVVALVAFFLLFLV
 LRSIRCLRNVIIHWNLITTFILRNITWFLQLIDHEVHEGNEVWCRCVTTIFNYFVVTNFFWFMFVEGCYLH
 TAIVMTYSTEHLRKWFLFIGWCIPCPPII VAWAVGKLYENEQCWFGKEPGDLVDYIYQGP IILVLLINF
 VFLEFNIVRILMTKLRASSTSETIQYRKAVKATLVLLPLLGITIYMLFFVNPGEDDLSQIVFIYFNSFLQSF
 QGFFVSVFYCFNNGEVRSA LRKRWHRWQDHHALRVPARAMSIPTSPTRISFHSIKQTA AV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1821_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

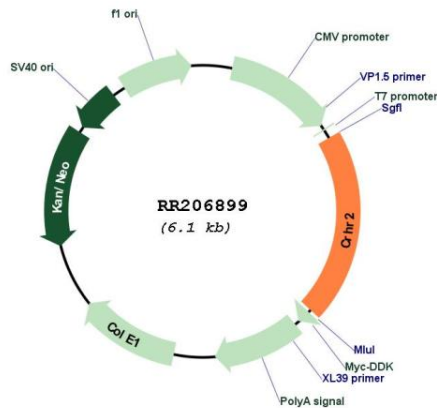
ACCN: NM_022714

ORF Size: 1233 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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<u>NM_022714.1, NP_073205.1</u>
RefSeq Size:	1626 bp
RefSeq ORF:	1236 bp
Locus ID:	64680
UniProt ID:	<u>P47866</u>
Cytogenetics:	4q24
MW:	47.7 kDa
Gene Summary:	high-affinity G-protein-coupled receptor for corticotrophin releasing hormone [RGD, Feb 2006]

Product images:


Circular map for RR206899