

Product datasheet for **RR216605**

Crhr1 (NM_001301812) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Crhr1 (NM_001301812) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Crhr1
Synonyms: CRFR1; CRH-R 1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216605 representing NM_001301812
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGGATCGCC

ATGGGACGGCGCCGAGCTCCGGCTCGTGAAGGCCCTTCTCCTTCTGGGGCTGAACCTGTGTCCACCT
 CCCTTCAGGATCAGCGCTGTGAGAACCTGTCCCTGACCAGCAATGTTTCTGGCCTGCAGTCAATGCATC
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 TTTTTCTACGGTGTCCGCTACAACACGACAACAATGGCTACCGGAGTGCCTGGCCAACGGCAGCTGGG
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Protein Sequence: >RR216605 representing NM_001301812
Red=Cloning site Green=Tags(s)

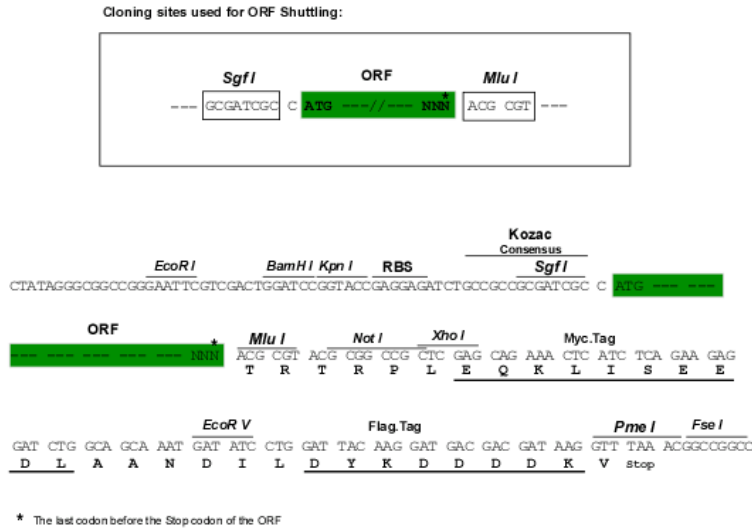
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 LRLRSIRCLRNIHWNLSAFILRNATWV VVQLTVSPEVHQSNVAWCRLVTAAYNYFHVTNFFWFMFGEGC
 YLHTAIVLTYSTDRLRKWMFVCIGWGVFPPII VAWAIGKLHYDNEKCFWFKRPGVYTDYIYQGPMLVLL
 INFIFLFNIVRILMTKLRATTSETIQYRKAVKATLVLLPLLGITMYLFFVNPGEVSRVVFYFNSFL
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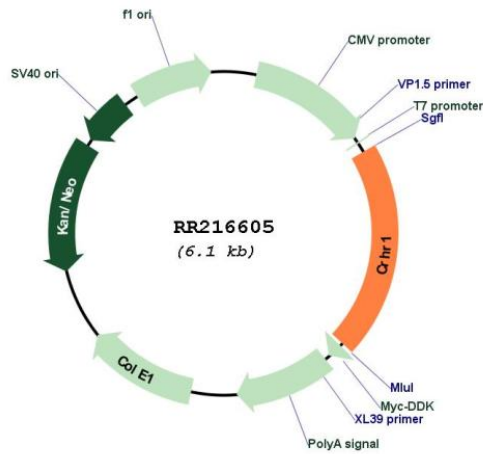
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301812

ORF Size:	1242 bp
OTI Disclaimer:	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:	NM_001301812.1 , NP_001288741.1
RefSeq Size:	2507 bp
RefSeq ORF:	1245 bp
Locus ID:	58959
Cytogenetics:	10q32.1
MW:	47.7 kDa
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]