

Product datasheet for MR229768

Crhr2 (NM_001288619) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crhr2 (NM_001288619) 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:	>MR229768 representing NM_001288619 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACGCGGCGTGCTCCTCAGCCTGCTGGAGGCCAACTGCAGCCTGGCGCTGGCCGAAGAGCTGCTCC
TGGACGGTGGGAGTGCCTCCGACCCGAAGGTCCTACACCTACTGCAACACGACCTTGGACCAGAT
CGGGACCTGCTGGCCACAGAGCGCACCCGAGCCCTAGTAGAGAGACCGTGGCCCGAGTACTTCAATGGC
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ACTACTCACACTGCGAACCCATTTGGATGACAAGCAGAGAAAGTATGACCTGCATTACCGAATCGCCCT
CATTGTCAACTACCTGGGTCACTGTGTTCCGTGGTGGCCCTGGTGGCCGCTTTCCTGCTTTTCTAGTG
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GTATTTCTGTTTAAACATCGTCAGGATCCTGATGACGAAGTTACGAGCATCCACCAGTCCGAGACAAATCC
AATACAGGAAGGCAGTGAAGGCCACGCTGGTCTCCTCCCTGTTGGGCATCACCTACATGCTCTTCTT
TGTCAATCCTGGCGAGGACGACCTGTCCAGATTGTGTTTCACTTCAACTCTTCTGAGTCTTCT
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GGCACCCTGGCAGGACCACCGCCCTCCGGTGCCTGTGGCCCGGCCATGTCCATCCCTACGTCGCC
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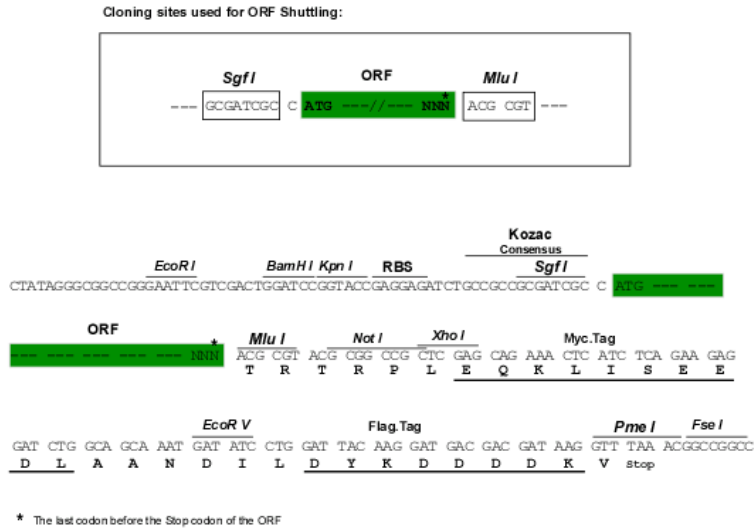
Protein Sequence: >MR229768 representing NM_001288619
 Red=Cloning site Green=Tags(s)

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 LRSIRCLRNVIIHWNLITTFILRNIAWFLQLIDHEVHEGNEVWCRCITTFNYFVVTNFFWMFVEGCYLH
 TAIVMTYSTEHLRKWFLFIWGCIPCPPIIAWAVGKLYENEQCWFGEAGDLVDYIYQGPVMLVLLINF
 VFLEFNIVRILMTKLRASSTSETIQYRKAVKATLVLLPLLGITYMLFFVNPGEDDLSQLVFIYFNSFLQSF
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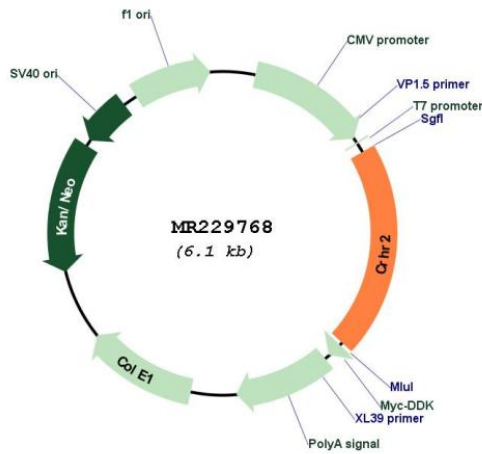
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001288619

ORF Size:	1233 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_001288619.1 , NP_001275548.1
RefSeq Size:	2607 bp
RefSeq ORF:	1236 bp
Locus ID:	12922
UniProt ID:	Q60748
Cytogenetics:	6 27.33 cM
MW:	48.1 kDa
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]