

Product datasheet for **SC303088**

Corticotropin Releasing Factor Receptor 2 (CRHR2) (NM_001883) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Corticotropin Releasing Factor Receptor 2 (CRHR2) (NM_001883) Human Untagged Clone
Tag:	Tag Free
Symbol:	Corticotropin Releasing Factor Receptor 2
Synonyms:	CRF-RB; CRF2; CRFR2; HM-CRF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001883, the custom clone sequence may differ by one or more nucleotides

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ATGGACGCGCACTGCTCCACAGCCTGCTGGAGGCCAACTGCAGCCTGGCGCTGGCTGAAGAGCTGCTCT
TGGACGGCTGGGGCCACCCCTGGACCCGAGGGTCCCTACTCCTACTGCAACACGACCTTGGACCAGAT
CGGAACGTGCTGGCCCCGAGCGCTGCCGGAGCCCTCGTGGAGAGGCCGTGCCCCGAGTACTTCAACGGC
GTCAAGTACAACACGACCCGGAATGCCTATCGAGAATGCTTGGAGAATGGGACGTGGGCCTCAAAGATCA
ACTACTCACAGTGTGAGCCATTTGGATGACAAGCAGAGGAAGTATGACCTGCACTACCGCATCGCCCT
TGTCGTCAACTACCTGGCCACTGCGTATCTGTGGCAGCCCTGGTGGCCGCTTCTGCTTTTCTGGCC
CTGCGGAGCATTGCTGTCTGCGGAATGTGATTACTGGAACCTCATCACCACCTTTATCCTGCGAAATG
TCATGTGGTTCTGCTGCAGCTCGTTGACCATGAAGTGCACGAGAGCAATGAGGTCTGGTCCGCTGCAT
CACCACCATCTTCAACTACTTCTGTTGACCAACTTCTTCTGGATGTTTGTGGAAGGCTGTACCTGCAC
ACGGCCATTGTATGACCTACTCCACTGAGCGCCTGCGCAAGTGCCTTCTCCTTTCATCGGATGGTGC
TCCCTTCCCCATCATCGTCGCTGGGCCATCGGCAAGTCTACTATGAGAATGAACAGTGTGGTTTGG
CAAGGAGCCTGGCGACCTGGTGGACTACATCTACCAAGGCCCATCATTCTCGTGTCTGATCAATTTT
GTATTTCTGTTCAACATCGTCAGGATCCTAATGACAAAGTTACGCGCGTCCACCACATCCGAGACAATCC
AGTACAGGAAGGCAGTGAAGGCCACCCTGGTGTCTCTGCCCTCCTGGGCATCACCTACATGCTCTTCTT
CGTCAATCCCGGGGAGGACGACCTGTACAGATCATGTTTCAATTTCAACTCCTTCTGCAGTCGTTT
CAGGGTTTCTTCTGTCTGTCTTCTACTGCTTCTCAATGGAGAGGTGCGCTCAGCCGTGAGGAAGAGGT
GGCACCCTGGCAGGACCATCACTCCCTTCGAGTCCCCATGGCCCGGCCATGTCCATCCCTACATCACC
CACACGGATCAGCTTCCACAGCATCAAGCAGACGGCCGCTGTGTGA
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Restriction Sites:	Please inquire
ACCN:	NM_001883



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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001883.2 , NP_001874.2
RefSeq Size:	2107 bp
RefSeq ORF:	1236 bp
Locus ID:	1395
UniProt ID:	Q13324
Cytogenetics:	7p14.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>The protein encoded by this gene belongs to the G-protein coupled receptor 2 family, and the subfamily of corticotropin releasing hormone receptor. This receptor shows high affinity for corticotropin releasing hormone (CRH), and also binds CRH-related peptides such as urocortin. CRH is synthesized in the hypothalamus, and plays an important role in coordinating the endocrine, autonomic, and behavioral responses to stress and immune challenge. Studies in mice suggest that this receptor maybe involved in mediating cardiovascular homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1 (also known as alpha isoform).</p>