

Product datasheet for SC335284

CRF1 (CRHR1) (NM_001303020) Human Untagged Clone

Product data:

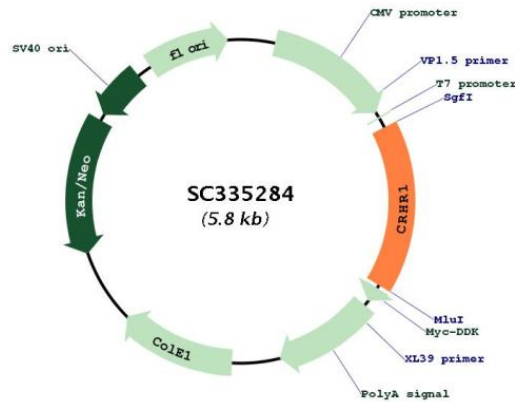
Product Type:	Expression Plasmids
Product Name:	CRF1 (CRHR1) (NM_001303020) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRHR1
Synonyms:	CRF-R; CRF-R-1; CRF-R1; CRF1; CRFR-1; CRFR1; CRH-R-1; CRH-R1; CRHR; CRHR1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335284 representing NM_001303020. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGTGTCCGCTACAATACCACAAAAAAAAAGCAAGGTGCACTACCATGTGCGAGTCATCATCAACTAC
CTGGGCCACTGTATCTCCCTGGTGGCCCTCTGGTGGCCTTTGCCTCTTCTGCGGCTCAGGAGCATC
CGGTGCCGCGAAACATCATCCACTGGAACCTCATCTCCGCCTTCATCCTGCGCAACGCCACCTGGTTC
GTGGTCCAGTAACCATGAGCCCCGAGGTCCACCAGAGCAACGTGGGCTGGTGCAGGTTGGTGACAGCC
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AGGCCTGGGGTGTACACCGACTACATCTACCAGGGCCCCATGATCCTGGTCTGTGATCAATTTATC
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TACAGGAAGGCTGTGAAAGCCACTCTGGTGTGCTGCCCTCCTGGGCATCACCTACATGCTGTTCTTC
GTCAATCCCGGGGAGGATGAGGTCTCCCGGTGCTTTCATCTACTTCAACTCCTTCTGGAATCCTTC
CAGGGCTTCTTTGTGCTGTGTTCTACTGTTTCTCAATAGTGAGGTCGGTCTGCCATCCGGAAGAGG
TGGCACCAGGTTGGCAGGACAAGCACTCGATCCGTGCCCGAGTGGCCCGTCCATGTCCATCCCCACCTCC
CCAACCCGTGTCAGCTTTCACAGCATCAAGCAGTCCACAGCAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001303020

Insert Size: 945 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).

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:

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_001303020.1](#)

RefSeq Size: 2508 bp

RefSeq ORF: 945 bp

Locus ID: 1394

Cytogenetics: 17q21.31

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Long-term depression, Neuroactive ligand-receptor interaction

MW: 36.6 kDa

Gene Summary: This gene encodes a G-protein coupled receptor that binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. The encoded protein is essential for the activation of signal transduction pathways that regulate diverse physiological processes including stress, reproduction, immune response and obesity. Alternative splicing results in multiple transcript variants. Naturally-occurring readthrough transcription between this gene and upstream GenelD:147081 results in transcripts that encode isoforms that share similarity with the products of this gene. [provided by RefSeq, Aug 2016]

Transcript Variant: This variant (1i) lacks two alternate exons, and it thus differs in its 5' UTR and initiates translation at an alternate start codon, compared to variant 1b. The encoded isoform (1i-B) is shorter and has a distinct N-terminus, compared to isoform 1.