

## Product datasheet for SC118962

### CRHBP (NM\_001882) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CRHBP (NM_001882) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRHBP
Synonyms:	CRF-BP; CRFBP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118962 sequence for NM_001882 edited (data generated by NextGen Sequencing)

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ATGTCGCCCAACTTCAAACCTTCAGTGTCACTTCATTCTCATCTTCTCAGCGGCTCTAAGA
GGGAAAAGCCCGGTACCTAGAGCTGAGGGAAGCGCGGACTACGATCCTTTCTGCTCTTC
AGCGCAAACCTGAAGCGGGAGCTGGCTGGGGAGCAGCCGTACCGCCGCGCTCTGCGGTGC
CTGGACATGCTGAGCCTCCAGGGCCAGTTCACCTTACCAGCCGACCGCCGAGCTGCAC
TGCGCAGCCTTCTCATCAGCGAGCCCGAGGAGTTCATTACCATCCACTACGACCAGGTC
TCCATCGACTGTCAGGGCGGCGACTTCTGAAGGATTTTGATGGTTGGATTCTCAAGGGG
GAGAAGTCCCCAGTCCAGGATCATCTCTCCCCTCAGCTGAGCGGTACATAGATTTTC
TGTGAGAGTGGTCTTAGCAGGAGGAGCATCAGATCTTCCAGAATGTGGCCATGATCTTC
TTCCGAGTCCATGAACCAGGAAATGGATTACATTAACCATAAAGACAGACCCCAACCTC
TTTCCTTGCAATGTCATTTCTCAGACTCCAATGGAAAGTTTACCCTGGTAGTTCACAC
CAGCATCGAAACTGCAGTCTTCCATAATTTATCCTGTGGTGATCAAAATATCTGATCTT
ACCCTGGGACACGTAAATGGTCTTCAGTTAAAGAAATCCTCAGCAGGTTGCGAGGGAATA
GGAGACTTTGTGGAGCTGCTGGGAGGAACTGGATTGGACCCTTCCAAGATGACGCCTTTA
GCTGATCTCTGCTACCCCTTTCATGGCCCGGCCAGATGAAAAGTTGGCTGTGACAACACT
GTGGTGCGCATGGTCTCCAGTGGAAAACACGTAATCGTGTGACTTTTGGATATCGTCAG
CTGGAGCCGTACGAGCTGAAAACCCAAATGAAAACAGTATCGGGGAATTCTGTTTGTCT
GGTCTTTGA

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Clone variation with respect to NM\_001882.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001882 unedited  ACCCGATTTGTAACCGNACTTCATAGTAGGCGGCCAGCACATTCGGCACGAGGGTCTGCC  CGATGGTGTAGGAAGGAAAGCCAGGACCTCCGGAGCAGAGCACAGCAGCTGCAGAGGCA  AGGCCAGCATGTCGCCAACTTCAAACCTCAGTGTCACTTCATTTCTATCTTCTGACGG  CTCTAAGAGGGGAAAGCCGGTACCTAGAGCTGATTTTTCGGCGGACTACGATCCTTTCT  GCTCTTCAGCGCAACCTGAAGCGGGAGCTGGCTGGGGAGCAGCCGTACCGCCGCGCTCT  GCGGTGCCTGGACATGCTGAGCCTCCAGGGCCAGTTCACCTTCACCGCCGACCGGCCGCA  GCTGCACTGCGCAGCCTTCTTCATCAGCGAGCCGAGGAGTTCATTACCATCCACTACGA  CCAGGTCTCCATCGACTGTCAGGGCGGCGACTTCTGAAGGTATTTGATGGTTGATTCT  CAAGGGGGAGAAGTTCGCCAGTTCAGGATCATCCTCTCCCTCAGCTGAGCGGTACAT  AGATTTCTGTGAGAGTGGTCTTAGCAGGAGGAGCATCAGATCTTCCAGAATGTGGCCAT  GATCTTCTCCGAGTCCATGAACCAGGAAATGGATTACATTAACCATAAAGACAGACCC  CAACCTCTTTCTGNCATGTCATTTCTCAGACTCCAATGGAAAGTTTACCCTGGTAGTT  CCACACCAGCATGAAACTGCAGCTTCTCATAATTTATCCTGTGGTGATCAAAAATATCT  GATCTTACCCTGGACACGTAATGGGTCTTCAGTTAAAAAATCCCTCANCAAGGTGCG  AGGGAATTAGAGAAGCTTTGTGAGCTGCTGGNNAGAACTGGATTGAACCTCCAGAAGACG  CCTTTGCTGATCTCTGCTACCCCTTCAT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001882 unedited  GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGCCACATTCTGAATGTATTTATTCAT  GTTTGTATTTGTGGATGGAAAAATTTTTCCATGCTACAAAGTTTGGTTAAAAACAAGTTG  TTACAAATCAATAAATAATTGCTATAACTATTACCTATTGTAACAATAATAAATAGAAAA  TAAACAGATGCAACTACTTTGCTATACACAAGACTTTATCCTGTTATAAACTAATATAA  GTGCTGCCACTTTTCTTTCTTTGAGTATTTCCCTTGAGATACGATTTTTGTATTGCACG  TTGCTTTGTGCTTGTCTTACCAGTTTCAGGTTTGTAGCACATCAAAGAATTACAAACATT  TCCATTTAGAAGTATGATCCTACCAATCAGGGGTATTTTCTGCCATGTGTTCAATTTACA  GATTACAAACATAAAAAGAAGCAAAGTACAAAAATTAATGCGTGTGTGTATGTGTGTGTGT  GTGTGCGCGCGTGCCTCAAGGCTGGGAATACTGACTGGTATGAAAGGCTTTTAACTAGT  TGTGCATCAAAATCATACACAATGGCCATTAATAAACTCACTTAGCTATCAGCATGTAAT  CACTGGGTTGGTTATTCAAAGACCAGACAACAGAATTTCCCGATACTGTTTCCATTTGG  GTTTTCCAGCTCGTACGGCTTCAGCTGACGATACTCAAAGTACACGATTTACGTGTTT  TCCACTACANACATGCGCACACAGTGTGTGACAGCCAACTTTCATCTGGCCCGGCC  ATGAAAAGGGGTANCAAAGATCAGCTAAAAGGCGTCATCTTGAAAGGGNTCCATTCAGNTC  CTTCCAGCAGCTACCAAAGTTTCTATCCCTCGCAACCTGCTGAGGATTCTTTACTGAG  ACCATTTACGGTCCACGGTAGATCAAAAATTTGATCACACAGAAAAATTTGGGAAGCTGCGT  TCTAGCTGTGGACTACAAGGAACACTCACTTGAGTTAGAAGACATGCAGTAAAGTGG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001882
<b>Insert Size:</b>	1650 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_001882.3](#), [NP\\_001873.2](#)

**RefSeq Size:** 1854 bp

**RefSeq ORF:** 969 bp

**Locus ID:** 1393

**UniProt ID:** [P24387](#)

**Cytogenetics:** 5q13.3

**Gene Summary:** Corticotropin-releasing hormone is a potent stimulator of synthesis and secretion of preopiomelanocortin-derived peptides. Although CRH concentrations in the human peripheral circulation are normally low, they increase throughout pregnancy and fall rapidly after parturition. Maternal plasma CRH probably originates from the placenta. Human plasma contains a CRH-binding protein which inactivates CRH and which may prevent inappropriate pituitary-adrenal stimulation in pregnancy. [provided by RefSeq, Jul 2008]