

## Product datasheet for SC111118

### CBF1 interacting corepressor (CIR1) (NM\_004882) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CBF1 interacting corepressor (CIR1) (NM_004882) Human Untagged Clone
Tag:	Tag Free
Symbol:	CBF1 interacting corepressor
Synonyms:	CIR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111118 sequence for NM_004882 edited (data generated by NextGen Sequencing)

```
ATGGGGAAATCCTTCGCCAACTTCATGTGCAAGAAAGACTTTTCATCCTGCCTCCAATCC
AATATCAAAAAAGTATGGATGGCAGAACAGAAAATATCATATGATAAGAAGAAACAGAA
GAATTGATGCAGCAATATCTTAAAGAACAAGAATCATATGATAATAGATTGCTTATGGGA
GATGAACGTGTAAGAATGGCCTTAATTTTCATGTATGAAGCCCCACCAGGAGCTAAAAAA
GAAAACAAAGAGAAAGAAGAAACAGAAGGAGAGACCGAATACAAATTTGAATGGCAGAAA
GGAGCCCCACGAGAAAAATATGCCAAAGATGACATGAACATCAGAGATCAGCCCTTGGT
ATTCAGGTTTCAAATGTGAGGTGCATTAATGTCACAAATGGGGTCATGTCAACACAGAT
CGAGAATGTCCTTTGTTGGTCTTCTGGAATCAATGCAAGTTCGGTTCCCACTGATGGC
TCAGGGCCATCGATGCACCCCTCGGAGCTAATAGCGGAGATGAGAAACAGTGGGTTTGA
CTGAAACGAAATGTAAGGGGAGAACTTGACCGCAAATGATCCATCACAGGAGTATGTT
GCAAGTGAGGGTGAAGAAGATCCAGAAGTTGAATTTTTAAAGTCACTAACCAACAAACAA
AAACAGAACTTCTCAGGAAATAGATCGACTGGAGAAGAAAAAGAAAAAGATAGA
AAAAAGAAAAAGTTTTCAGAAAGAGCAGAAGTAAACACAAAAACATAAGTCCTCTTCTTCC
TCATCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
GAGAGTAAACAATAAGAAAAAAAATACAAAGGAAGAAAAAGAAAAACAAGTGTTC
GGGCATAACAACAGTGATTCTGAAGAGAAGGACAAGTCTAAGAAGAGAAAGCTTCATGAA
GAACCTTTCTAGCAGTACCATAACCGGGAAAAAGCCAAGGAAAAGCCAGGTTCTTAAAA
CAGGAGATTCTAGGGAGGACAGCAAATGGAGCCATTCTGATTCTGACAAAAAGTCCAGA
ACCCATAAACATAGCCCAGAGAAGAGAGGCTCTGAAAGAAAGGAGGGGAGCAGCAGAAGC
CACGGCAGGGAGGAAAGGAGCCGGAGAAGCCGGAGCAGAAGTCTGTTAGTTACAAGCAA
AGGGAGACAAGGAAACGGGCACAGCGAAATCCTGGTGAAGAGCAAAGCAGAAGAAATGAC
AGCAGAAGCCATGGCACAGACTTGATAGAGGAGAAAAATGTACAGAGAGCACCCAGGA
GGTACACATACTAAAGTACACAAAGAGAATGA
```

Clone variation with respect to NM\_004882.3



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004882 unedited  
 AGGATTTTGTAAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCAGATCTAG  
 CCCCTGCTTTCCCTAGTTCAGTTCCAAGATGGGGAAATCCTTCGCCAATTCATGTGCA  
 AGAAAGACTTTTCATCCTGCCTCCAAATCCAATATCAAAAAAGTATGGATGGCAGAACAGA  
 AAATATCATATGATAAGAAGAAACAAGAAGAATTGATGCAGCAATATCTTAAAGAACAAG  
 AATCATATGATAATAGATTGCTTATGGGAGATGAACGTGTAAAGAATGGCCTTAATTTCA  
 TGTATGAAGCCACCAGGAGCTAAAAAAGAAAACAAGAGAAAAGAAGAAACAGAAGGAG  
 AGACCGAATACAAATTTGAATGGCAGAAAAGGAGCCACGAGAAAAATATGCCAAAGATG  
 ACATGAACATCAGAGATCAGCCCTTTGGTATTCAGGTTGAAAATGTGAGGTGCATTAAAT  
 GTCACAAATGGGGTCATGTCAACACAGATCGAGAATGTCCTTTGTTTGGTCTTTCTGGAA  
 TCAATGCAAGTTCGGTCCCACTGATGGCTCAGGGCCATCGATGCACCCCTCGGAGCTAA  
 TAGCGGAGATGAGAAACAGTGGGTTTGCCTGAAACGAAATGACTGGGGAGAACTTGA  
 CCGCAAATGATCCATCACAGGAGTATGTTGCAAGTGAGGGTGAAGAAGATCCATCACAGG  
 AGTATGTTGCAAGTGAGGGTGAAGAAGATCCAGAAAGTGAATNTTAAGTCACTAACACC  
 AAACAAAACAGAACTTCTCAGGAANATAGATCGACTGGAGAAAAGAAAAAGAAAAAGA  
 TTGANAAAAGAAAAGTTTTCAGAAGAGCAGAAGTAAACAAAAACATAAGNCCTCTTNTCTC  
 TCATCTNCCCCTCCTCTNCTCTTNTCTACTGAACTTCGAAAGCAGTAGTGAGAGTGA  
 NAAGTACACTAAGAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_004882 unedited  
 CGCGGCCCAATTTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAGGAAGTGCATTCT  
 TTTAATGATGTTTCAAGAAAAAATGTCACAGAGTTATATGCGGTTTTTATCTGGTA  
 TGGGGAACAAGAAACAGTTACCAACAGAAAATATTTCCACAGCCCAAAATAGCTTACTT  
 ACAAAATTTGCAAAATTCATTCTCATAGTACTCATGTAGTTTTGTACTTGAATTGACAG  
 TCTAGAGATGAAAAATTAATTTGAGCTTTTTTATTAGAAAGACAACAGTACATAATTTA  
 CCCCTTGCTAAAGGTATTCAATAAAAAAGTGGAGATTTTTTATCCAGGTAATTGTCA  
 CATACAGTCTTTCTTCTACTTCTGCTTCTTCTTTGGGTCACCTTGTAGTATGTGTAC  
 CTCCTGGGGGCTCTGTACATTTTTTCTCTCTATAAGTCTGTGCCATGGCTTCTGC  
 TGTCATTTCTTCTGCTTGTCTTACCAGGATTCGCTGTGCCCGTTTCCTTGTCTCCC  
 TTTGCTTGTAACTACCAGGACTTCTGCTCCGGCTTCTCCGGCTCCTTTCCCTCCCTGCCGG  
 GGCTTCTGCTGCCCTCCTTTCTTTTCCAGAGCCTCTCTTCTGCGGCTATGTTTATGGG  
 TTCTGGACTTTTTGTGCAATCAGAATGGCTCCATTTGCTGGCCTCCCTAGAAGTCTCGT  
 NGTTTAAAGAACCTGGNGCTTTCCTTGGCTTTTTCCGGTTATGGGGACTGCTANAAAGTTC  
 TTCATGAAAGCTTCTCCNCTTAGACTTGCCTTCTCTCCAGATCACTGTGGTATGCCCTG  
 AACACTTGGTTTTCTTTCTTCTTCTTCCCTGGNNATTTTTTCTTATGGAACCTACTCTA  
 CTACGGCTTCTGAAGCCTCANNAGGAAAGGAGGGGGGAGAAC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_004882

**Insert Size:**

1870 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\\_004882.3](#), [NP\\_004873.3](#)

**RefSeq Size:** 1809 bp

**RefSeq ORF:** 1353 bp

**Locus ID:** 9541

**UniProt ID:** [Q86X95](#)

**Cytogenetics:** 2q31.1

**Protein Families:** Transcription Factors

**Protein Pathways:** Notch signaling pathway

**Gene Summary:** May modulate splice site selection during alternative splicing of pre-mRNAs (By similarity). Regulates transcription and acts as corepressor for RBPJ. Recruits RBPJ to the Sin3-histone deacetylase complex (HDAC). Required for RBPJ-mediated repression of transcription. [UniProtKB/Swiss-Prot Function]