

Product datasheet for **SC118335**

CtIP (RBBP8) (NM_002894) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CtIP (RBBP8) (NM_002894) Human Untagged Clone
Tag:	Tag Free
Symbol:	CtIP
Synonyms:	COM1; CTIP; JWDS; RIM; SAE2; SCKL2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC118335 sequence for NM_002894 edited (data generated by NextGen Sequencing)

```

ATGAACATCTCGGGAAGCAGCTGTGGAAGCCCTAACTCTGCAGATACATCTAGTGACTTT
AAGGACCTTTGGACAAAACAAAAGAATGTCATGATAGAGAAGTACAAGGTTTACAAGTA
AAAGTAACCAAGCTAAAACAGGAACGAATCTTAGATGCACAAAGACTAGAAGAATTCTTC
ACCAAAAATCAACAGCTGAGGGAACAGCAGAAAAGTCCCTCATGAAACCATTAAAGTTTTA
GAAGATCGGTTAAGAGCAGGCTTATGTGATCGCTGTGCAGTAACTGAAGAACATATGCGG
AAAAACAGCAAGAGTTTGAAAATATCCGGCAGCAGAATCTTAAACTTATTACAGAACTT
ATGAATGAAAGGAATACTCTACAGGAAGAAAATAAAAAGCTTTCTGAACAACTCCAGCAG
AAAATTGAGAATGATCAACAGCATCAAGCAGCTGAGCTTGAATGTGAGGAAGACGTTATT
CCAGATTACCGATAACAGCCTTCTCATTTTCTGGCGTTAACCGGCTACGAAGAAAGGAG
AACCCCATGTCCGATACATAGAACAACACATACTAAATTGGAGCACTCTGTGTGTGCA
AATGAAATGAGAAAAGTTTCCAAGTCTTCAACTCATCCACAACATAATCCTAATGAAAAT
GAAATTCTAGTAGCTGACACTTATGACCAAAGTCAATCTCCAATGGCCAAAGCACATGGA
ACAAGCAGCTATACCCCTGATAAGTCATCTTTAATTTAGCTACAGTTGTTGCTGAAACA
CTTGGACTTGGTGTTCAGAAGAATCTGAAACTCAAGGTCCCATGAGCCCTTGGTGAT
GAGCTCTACCACTGTCTGGAAGGAAATCACAAGAAACAGCCTTTTGAGGAATCTACAAGA
AACTACTGAAGATAGTTTAAAGATTTTTCAGATTCTACTTCAAAGACTCCTCCTCAAGAAGAA
TTACCTACTCGAGTGTCATCTCCTGTATTTGGAGCTACCTCTAGTATCAAAAAGTGGTTTA
GATTTGAATACAAGTTTGTCCCTTCTCTTTTACAGCCTGGGAAAAAAAAAATCATGAAA
ACACTCCCTTTTAGCAACACTTGTATATCTAGATTAGAAAAAACTAGATCAAAAATCTGAA
GATAGTGCCCTTTTACACATCACAGTCTTGGGTCTGAAGTGAACAAGATCATTATCCAG
TCATCTAATAAACAGATACTTATAAATAAAAATAAAGTGAATCCCTAGTGAACAGAAT
AGGACTGAGTACGGTAAAGATTCTAACACTGATAAACATTTGGAGCCCTGAAATCATTG
GGAGGCCGAACATCCAAAAGGAAGAAAACCTGAGGAAGAAAGTGAACATGAAGTAAGCTGC
CCCAAGCTTCTTTTGATAAAGAAAATGCTTTCCTTTTCCAATGGATAATCAGTTTTCC
ATGAATGGAGACTGTGTGATGGATAAACCTCTGGATCTGTCTGATCGATTTTCAGCTATT
CAGCGTCAAGAGAAAAGCCAAGGAAGTGAGACTTCTAAAAACAAATTTAGGCAAGTGACT
CTTTATGAGGCTTTGAAGACCATTCCAAGGGCTTTTCTCAAGCCGTAAGGCCTCAGAT
GGCAACTGCACGTTGCCAAAGATTCCCAGGGGAGCCCTGTTCCAGGAATGCATCATC
CTTCAGCCCTTGAATAAATGCTCTCCAGACAATAAACCATCATTACAAAATAAAAGAGAA
AATGCTGTCTTTAAAATTCCTCTACATCCACGTGAAAGTTTGGAGACTGAGAATGTTTTA
GATGACATAAAGAGTGCTGGTTCTCATGAGCCAATAAAAAATACAAACCAGGTCAGACCAT
GGAGGATGTGAACCTGCATCAGTTCTTCAGTTAAATCCATGTAGAACTGGTAAAAATAAG
TCTCTACAAAACAACCAAGATGTATCCTTTGAAAATATCCAGTGGAGTATAGATCCGGGA
GCAGACCTTTCTCAGTATAAAATGGATGTTACTGTAATAGATACAAAGGATGGCAGTCAG
TCAAAAATTAGGAGGAGAGACAGTGGACATGGACTGTACATTGGTTAGTGAACCGTTCTC
TAAAAAATGAAGAAGCAAGAGCAGAAGGGAGAAAAAAGTTCAAATGAAGAAGAAAAATG
AATGATAGCTTGAAGATATGTTTTGATCGGACAACACATGAAGAGTATGAATCCTGTTT
GCAGACAGTTTCTCCAAGCAGCAGATGAAGAGGAGGAATTGTCTACTGCCACAAAGAAA
CTACACACTCATGGTGATAAACAAGACAAGTCAAGCAGAAAGCGTTTGTGGAGCCGTAT
TTTAAAGGTGATGAAAGAGAGACTAGCTTGCAAAATTTTCTCATATTGAGGTGTTTCGG
AAAAAAGAGGAGAGAAGAAAACCTGCTTGGGCACACGTGAAGGAATGTGAAATTTATTAT
GCAGATATGCCAGCAGAAGAAAGAGAAAAGAAATTTGGCTTCTGCTCAAGACACCGATT
CGCTACATTCCACCAACACACCAGAGAATTTTGGGAAGTTGGTTTTCTTCCACTCAG
ACTTGTATGGAAGAGGTTATATTAAGGAAGATCTTGATCCTTGTCTCGTCCAAAAAGA
CGTCAGCCTTACAACGCAATATTTTCTCCAAAAGCAAGGAGCAGAAGACATAG

```

Clone variation with respect to NM_002894.2
1766 g=>a

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_002894 unedited
GGATTTTGTAAATACGAACTCACTATAGGGCGGCCGCAATTCGCACGAGGCCGGAGGGGT
CGGCTTTCCCACCGAGGATTTGGCACTCTGGTGAGGGAAAAGGCGAAAGAGAAAAGCGAG
CAGCCGTCCTTTACAGCCTCAGAAAAGTCTCGCTTCCCTTCGGGGGCTTTCGCGAATCC
CGAGGCAATCTCGGAGGCGGTATTTGACCTGTCCAAGACGACTTGATACCTCTATAATG
TAACAGAAAAGGTCAGAAAATATTAAGCAAGTAGAAGTGTGGAGCATATTAAGCAAGATG
AACATCTCGGGAAGCAGCTGTGGAAGCCCTAACTCTGCAGATACATCTAGTGACTTTAAG
GACCTTTGGACAAAACAAAAGAATGTCATGATAGAGAAGTACAAGGTTTACAAGTAAAA
GTAACCAAGCTAAAACAGGAACGAATCTTAGATGCACAAAGACTAGAAGAATTCTTCACC
AAAAATCAACAGCTGAGGGAACAGCAGAAAAGTCCTTCATGAAACCATTAAAGTTTGTAGAA
GATCGGTTAAGAGCAGGCTTATGTGATCGCTGTGCAGTAACTGAAGAACATATGCGGAAA
AAACAGCAAGAGTTTAAAAATATCCGGCAGCAGAATCTTAACTATTACAGAACTTATG
AATGAAAGGAATACTCTACAGGAAGAAAATAAAAAGCTTCTGAACAACCCAGCAGAAA
ATTGAGAAATGATCAACAGCATCAAGCAGCTGAGCTTGAATGGTGAGAAAAGACGTATTCCA
GATTACCGATNACAGCCTTNCTCATTTCTGGCGTTAACCGGCTACGAAGAAGGAGAAAACC
CCCTGTCCGAACATAGAACAAACACTACCTAATGGAG
```

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_002894 unedited
GCGGCCGCAATCTANATCGAGTTTTTTTTTTTTTTTTTTTGTATTTTCAAATTGTATTAG
GTATCACTACATAAAGTAAAACTCTTAAGTTAGAGTGCAAAATGAAAGCGCCTTATTGT
TTTAAAGGTGCAAAGCAAAATATCACAACATTTTCAATAGAAAAGTATTTATAAATC
CATTTACAGAAGATCAAAAAATCAATGTTTAGTACCAACTTTAACTATAAATAACTAAG
AAGGAAAAAACTGGCCTTCATCCTTCTGTTTCTGTTTCAACGTCTATGTCTTCTGCTCCT
TGCCTTTTGGAGAAAATATTGCGTTGTAAGGCTGACGTCTTTTGGACGAGGACAAGGAT
CAAGATCTTCCTAATATAACCTCTTCCATACAAGTCTGAGTGGAAAGGAAAACCAACTT
CCCAAAAATTCTCTGGTGTGTTGGGTGGAATGTACCGAATCGGTGTCTTGAGCAAGAAG
CCAATTTCTTTACTCTTCCCTCCGCTGGCATACTGCATAATAAAATGCACATTCCTTTT
ACCTGGGCCACAACAGGTGGTCCGCCCCGCGTTTTTCCCACCCCCCGTCTCCACGGA
TATCCTCCCGCGGCCGCGTCCCATCACCCCCCACTCCCCCCTCTATCTCCCCCTT
ATACCATTTTTATCCGACCCGTTCCCTCCCCCGCTCTCCGCCCCCTCACAGTCTTTG
TGGTGTACTCTCCCTCCCGATTCCCCCCCCCTCCGCCCCATCCCTACCTTTACCTC
CCTTTTCTGTTCCCTCTTCGCTTCACTATTCTCGTCTGCCATCGACCCGTCCTCCCC
TCTTTTCTCTTTCAATTTCCGACCCTCTCATAAATTCGCTATCCTCCTCCGACTT
CGCCCGCCCCGCGCTTTCTTTTCCCGTGTGGTGCAGGCTCCCTCCCTTGTCTTGT
A
```

Restriction Sites:

NotI-NotI

ACCN:

NM_002894

Insert Size:

3240 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_002894.2](#), [NP_002885.1](#)

RefSeq Size: 3279 bp

RefSeq ORF: 2694 bp

Locus ID: 5932

UniProt ID: [Q99708](#)

Cytogenetics: 18q11.2

Gene Summary: The protein encoded by this gene is a ubiquitously expressed nuclear protein. It is found among several proteins that bind directly to retinoblastoma protein, which regulates cell proliferation. This protein complexes with transcriptional co-repressor CTBP. It is also associated with BRCA1 and is thought to modulate the functions of BRCA1 in transcriptional regulation, DNA repair, and/or cell cycle checkpoint control. It is suggested that this gene may itself be a tumor suppressor acting in the same pathway as BRCA1. Three transcript variants encoding two different isoforms have been found for this gene. More transcript variants exist, but their full-length natures have not been determined. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 both encode isoform a.