

Product datasheet for **SC314796**

CTIP1 (BCL11A) (NM_022893) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTIP1 (BCL11A) (NM_022893) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTIP1
Synonyms:	BCL11A-L; BCL11a-M; BCL11A-S; BCL11A-XL; CTIP1; DILOS; EVI9; HBFQTL5; ZNF856
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_022893 edited
ATGTCTCGCCGCAAGCAAGGCAAACCCAGCACTTAAGCAAACGGGAATTCTCGCCCGAG
CCTCTTGAAGCCATTCTTACAGATGATGAACCAGACCACGGCCCGTTGGGAGCTCCAGAA
GGGGATCATGACCTCCTCACCTGTGGGCAGTGCCAGATGAACTTCCCATTGGGGGACATT
CTTATTTTTATCGAGCACAAACGGAAACAATGCAATGGCAGCCTCTGCTTAGAAAAAGCT
GTGGATAAGCCACCTTCCCCTTACCAATCGAGATGAAAAAGCATCCAATCCCCTGGAG
GTTGCATCCAGTCCAGCCAGAGGATGACGATTGTTTATCAACGTCATCTAGAGGAATT
TGCCCCAAACAGGAACACATAGCAGATAAACTTCTGCACTGGAGGGCCCTCCTCCCCT
CGTTCTGCACATGGAGCTCTAATCCCCACGCTGGGATGAGTGCAGAATATGCCCCGAG
GGTATTTGTAAAGATGAGCCAGCAGCTACACATGTACAACCTTGCAAACAGCCATTACC
AGTGCATGGTTTCTTTGCAACACGCACAGAACACTCATGGATTAAGAATCTACTTAGAA
AGCGAACACGGAAGTCCCCTGACCCCGGGTTGGTATCCCTCAGGACTAGGTGCAGAA
TGTCTTCCCAGCCACCTCTCCATGGGATTCATATTGCAGACAATAACCCCTTTAACCTG
CTAAGAATACCAGGATCAGTATCGAGAGAGGCTTCCGGCCTGGCAGAAGGGCGCTTTCCA
CCCACTCCCCCTGTTTGTCCACCACCGAGACATCACTTGGACCCCAACGCATAGAG
CGCTGGGGCGGAAGAGATGGCCCTGGCCACCCATCACCCGAGTGCCTTTGACAGGGTG
CTGCGGTTGAATCCAATGGCTATGGAGCCTCCCGCCATGGATTTCTTAGGAGACTTAGA
GAGCTGGCAGGGAACACGTCTAGCCACCCTGTCCCCAGGCCGGCCAGCCCTATGCAA
AGGTTACTGCAACCATTCCAGCCAGGTAGCAAGCCGCCCTTCTGGCGACGCCCCCTC
CCTCTCTGCAATCCGCCCTCTCCCTCCCAGCCCCGGTCAAGTCCAAGTCATGCGAG
TTCTGCGGAAGACGTTCAAATTCAGAGCAACCTGGTGGTGCACCGGCGCAGCCACAG
GGCGAGAAGCCCTACAAGTGCAACCTGTGCGACCACGCGTGCACCCAGGCCAGCAAGCTG
AAGCGCCACATGAAGACGCACATGCACAAATCGTCCCCATGACGGTCAAGTCCGACGAC
GGTCTCTCCACCAGCTCCCCGGAACCCGGCACCCAGGACTTGGTGGGCAGCGCCAGC
AGCGCGCTCAAGTCCGTGGTGGCAAGTTCAAGAGCGAGAACGACCCCAACTGATCCCG
GAGAACGGGGACGAGGAGGAAGAGGAGGACGAGGGAAGAGGAAGAAGAGGAGGAAGAG
GAGGAGGAGGAGCTGACGGAGAGCGAGAGGGTGGACTACGGCTTCGGGCTGAGCTGGAG
GCGGCGGCCACCACGAGAACAGCTCGCGGGGCGCGGTCGTGGGCGTGGGCGACGAGAGC
CGCGCCCTGCCGACGTCATGCAGGGCATGGTGTCTCAGCTCCATGCAGCACTTACGGAG
GCCTTCCACCAGTCTGGGCGAGAAGCATAAAGCGCGCCACCTGGCCGAGGCCGAGGGC
CACAGGGACACTTGCAGCAAGACTCGGTGGCCGCGAGTCCGACCGCATAGACGATGGC
ACTGTTAATGGCCGCGGCTGCTCCCCGGCGAGTCCGGCTCGGGGGCCCTGTCCAAAAAG
CTGCTGTGGGACGCCCCAGCTCGCTGAGCCCTTCTCTAAGCGCATCAAGCTCGAGAAG
GAGTTCGACCTGCCCCGGCCGCGATGCCAACACGGAGAACGTGTACTCGCAGTGGCTC
GCCGGCTACGCGGCCCTCCAGGCAGCTCAAAGATCCCTTCTTAGCTTCGGAGACTCCAGA
CAATCGCTTTTGCCTCTCGTCGGAGCACTCCTCGGAGAACGGGAGCTTGCCTTCTCC
ACACCGCCCGGGAGCTGGACGGAGGGATCTCGGGGCGCAGCGGCACGGGAAGTGGAGGG
AGCACGCCCATATTAGTGGTCCGGGCCCGGCAGGCCAGCTCAAAGAGGGGCAGACGC
AGCGACACTTGTGAGTACTGTGGGAAAGTCTTCAAGAACTGTAGCAATCTCACTGTCCAC
AGGAGAAGCCACACGGGGCAAAGCCCTTATAAATGCGAGCTGTGCAACTATGCCTGTGCC
CAGAGTAGCAAGCTCACAGGCACATGAAAACGCATGGCCAGGTGGGGAAGGACGTTTAC
AAATGTGAAATTTGTAAGATGCCTTTTAGCGTGTACAGTACCCTGGAGAAACACATGAAA
AAATGGCACAGTGATCGAGTGTTGAATAATGATATAAAAACTGAATAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022893 unedited
 GTAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGCCGAGCCCACCATGTC
 TCGCCGCAAGCAAGGCAAACCCAGCACTTAAGCAAACGGGAATTCTCGCCCGAGCCTCT
 TGAAGCCATTCTTACAGATGATGAACCAGACCAGGCCGTTGGGAGCTCCAGAAGGGGA
 TCATGACCTCCTCACCTGTGGCAGTGCCAGATGAACTTCCCATTGGGGGACATTCTTAT
 TTTTATCGAGCACAAACGAAACAATGCAATGGCAGCCTCTGCTTAGAAAAAGCTGTGGA
 TAAGCCACCTTCCCCTTACCAATCGAGATGAAAAAGCATCCAATCCCCTGGAGGTTGG
 CATCCAGGTCACGCCAGAGGATGACGATTGTTTATCAACGTCATCTAGAGGAATTTGCC
 CAAACAGGAACACATAGCAGATAAACTTCTGCACTGGAGGGCCTCTCCTCCCCTCGTTC
 TGCACATGGAGCTCTAATCCCCACGCTGGGATGAGTGCAGAATATGCCCCGAGGGTAT
 TTGTAAAGATGAGCCAGCAGCTACACATGTACAATTGCAAACAGCCATTCACCAGTGC
 ATGTTTCTCTTGAACACGCACAGAACTCATGGATTAAGAATCTACTTAGAAAGCGA
 ACACGGAAAGTCCCCTGACCCCGGGTTGGTATCCCTTCAGGACTAGGTGCAGAATGTCC
 TTCCCAGCCACCTCTCCATGGGATTCATATTGCAGACAATAACCCCTTTAACCTGCTAAG
 AATACCAGGATCAGTATCGAGAGAAGCTTCCGGCCTGNCAGAAGGCGCTTCCACCCACT
 CCCCCCTGTTATCCACCACGAGACATACTGGGACCCACCGCATANACGCCTGGGGCNG
 NAGAGATGCCCTGGCCACCATAACCCGATGCTTNAAGGTG

3' Read Nucleotide Sequence:

>Forward primer walk for NM_022893 unedited
 GGGCCACGGCACGNAGTGGAGGAGCAGCCCCATATTATGGTCCGGGCCGGCAGGCC
 CAGCTCAAAGAGGCAGACGCAGCGACACTTGTGAGTACTGTGGGAAAGTCTTCAAGAAC
 TGTAGCAATCTCACTGTCCACAGGAGAAGCCACACGGGCGAAAGGCCTTATAAATGCGAG
 CTGTGCAACTATGCCTGTGCCAGAGTAGCAAGCTCACCAGGCACATGAAAACGCATGGC
 CAGGTGGGGAAGGACGTTTACAATGTGAAATTTGTAAGATGCCTTTTAGCGTGTACAGT
 ACCCTGGAGAAACACATGAAAAATGGCACAGTGTGAGTGTGAATAATGATATAAAA
 ACTGAATAGAGGTTCTTACACACCCCCATTCCGGCGTAGTACCAGAGAGCTCAAGATGT
 GTGGCAGTTTTCGGATGGAAGCTCGAGAGCCCTAAGTTCTGAGAAAAATTTGAAGCCCC
 AGGGGTGNGGGTGGACGCGTGCCGCCAGTCGACGTCAGCGTGGTCTGTCATCCTGCTAG
 TTTGTGATGTTTTCTGACAGTAGCCTCCAAGAAGCCGTTGTGCGAAGACAGAGTCCTGCA
 GAGTCCTCCAGCCTANGCCTGCAGCGCCTTTATTTATTTTTTTTATAAAAAAGTAAA
 AACAAAAAACAGACCCACATTGGGACAGTGAATCAGTCCATAGAGAGGGCCCGTGGAC
 CATCGCTGTATGAGTGTGCCCTGGCCCTTCTGAAACCAGCAACCTAATTACCTGTAT
 TGTGGGAATGCGCATGAGTCCCCACCCCTTGTCTATACATTCTATGGTGGCTTTTAA
 AAAGTGTGCTTAACATTGCACAATAATGTTTGGAGCTTAAAAAANAAAAA
 ANNNNNNAAAAAANNNNNNA

Restriction Sites:

NotI-NotI

ACCN:

NM_022893

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

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_022893.2](#), [NP_075044.2](#)

RefSeq Size: 5963 bp

RefSeq ORF: 2508 bp

Locus ID: 53335

UniProt ID: [Q9H165](#)

Cytogenetics: 2p16.1

Domains: zf-C2H2

Protein Families: Transcription Factors

Gene Summary:

This gene encodes a C2H2 type zinc-finger protein by its similarity to the mouse Bcl11a/Evi9 protein. The corresponding mouse gene is a common site of retroviral integration in myeloid leukemia, and may function as a leukemia disease gene, in part, through its interaction with BCL6. During hematopoietic cell differentiation, this gene is down-regulated. It is possibly involved in lymphoma pathogenesis since translocations associated with B-cell malignancies also deregulates its expression. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) is also known as B-cell lymphoma/leukaemia 11A extra long form (BCL11A-XL). It encodes the longest isoform (1).