

## Product datasheet for **RC239635**

### CTIP2 (BCL11B) (NM\_001282238) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTIP2 (BCL11B) (NM_001282238) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTIP2
Synonyms:	ATL1; ATL1-alpha; ATL1-beta; ATL1-delta; ATL1-gamma; CTIP-2; CTIP2; hRIT1-alpha; IDDFSTA; IMD49; RIT1; ZNF856B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC239635 representing NM\_001282238.  
 Blue=ORF Red=Cloning site Green=Tag(s)

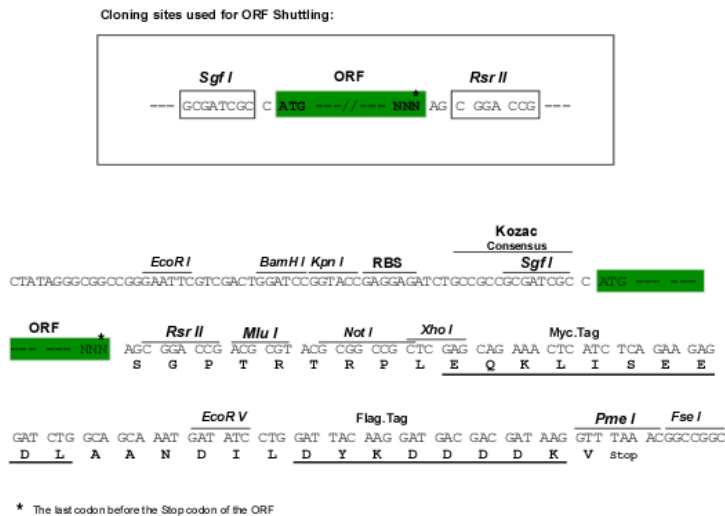
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ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
```

**Protein Sequence:** >Peptide sequence encoded by RC239635  
 Blue=ORF Red=Cloning site Green=Tag(s)

MSRRKQGNPQHL SQRELITQADHVEAAILEEDEGLEIEEPSGLGLMVGPPDPLL TCGQCQMNFLGDI  
 LVFIEHKRKQCGGSLGACYDKALDKDSPPSSRSELRKVSEPV EIGIQVTPDEDDHLLSPTKGICPKQE  
 NIAGKDEPSSYICTTCKQPFNSAWFLLQHAQNTGHGFRIYLEPGPASSLTPRLTIPPLGPEAVAQSPL  
 MNFLGDSNPFNLLRMTGPILRDHPGFGEGR LPTPLFSPPPRHHLDPHRLSAEEMGLVAQHPSAFDRV  
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 PPPQPPAKSKSCEF CGKTFKFQSNLIVHRRSHTGEKPYKCQLCDHACSQASKLKRHMKTHMHKAGSLAG  
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 FSMDSEL SRNRENGGGVPGVPGAGGGAALADEKALVLGKVMENVGLGALPQYGELLADKQKRGAF  
 KRAAGGGDAGDDDAGGCGDAGAGGAVNGRGGGFAPGTEPFPGLFPRKPAPLPSPLNSAAKRIKVEKD  
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 GLSGRSGTASGGSTPHLGGPGRPSKEGRRSDTCEYCGKVFKNCSNLTVHRRSHTGERPYKCELCNY  
 ACAQSSKLTRHMKTHGQIGKEVYRCDICQMPFSVYSTLEKHMKKWHGEHLLTNDVKIEQAERS  
 SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**


**ACCN:** NM\_001282238

**ORF Size:** 2466 bp

**OTI Disclaimer:** 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:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001282238.2](#)

**RefSeq Size:** 7828 bp

**RefSeq ORF:** 2469 bp

**Locus ID:** 64919

**UniProt ID:** [Q9C0K0](#)

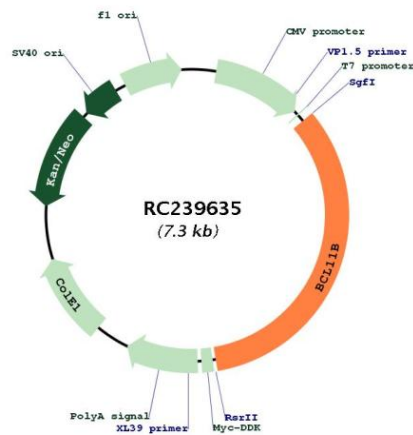
**Cytogenetics:** 14q32.2

**Protein Families:** Druggable Genome

**MW:** 88.4 kDa

**Gene Summary:** This gene encodes a C2H2-type zinc finger protein and is closely related to BCL11A, a gene whose translocation may be associated with B-cell malignancies. Although the specific function of this gene has not been determined, the encoded protein is known to be a transcriptional repressor, and is regulated by the NURD nucleosome remodeling and histone deacetylase complex. Four alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Aug 2013]

### Product images:



Circular map for RC239635