

Product datasheet for **RG223575**

CTIP1 (BCL11A) (NM_138559) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CTIP1
Synonyms:	BCL11A-L; BCL11a-M; BCL11A-S; BCL11A-XL; CTIP1; DILOS; EVI9; HBFQTL5; ZNF856
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223575 representing NM_138559
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTCGCCGAAGCAAGGCAAACCCAGCACTTAAGCAAACGGGAATTCGCCCCGAGCCTCTTGAAG
CCATTCTTACAGATGATGAACCAGACCACGGCCGTTGGGAGCTCCAGAAGGGGATCATGACCTCCTCAC
CTGTGGGCAGTGCCAGATGAACCTCCCATTTGGGGACATTCTATTTTTATCGAGCACAACGGAACAA
TGCAATGGCAGCCTCTGCTTAGAAAAAGCTGTGGATAAGCCACCTTCCCTTCACCAATCGAGATGAAAA
AAGCATCCAATCCCGTGGAGGTTGGCATCCAGGTCACGCCAGAGGATGACGATTGTTTATCAACGTCATC
TAGAGGAATTTGCCCAAACAGGAACATAGCAGATAAACTTCTGCACTGGAGGGGCTCTCTCCCT
CGTTCTGCACATGGAGCTCTAATCCACGCTGGGATGAGTGCAGAAATATGCCCGCAGGGTATTTGTA
AAGATGAGCCAGCAGCTACACATGTAACTTGCAAACAGCCATTACCAAGTGCATGTTTCTCTTGA
ACACGCACAGAACTCATGGATTAAGAACTACTTAGAAAGCGAACACGGAAGTCCCTGACCCCGCGG
GTTCTTACACACCCCATTCGGCGTAGTACCCAGAGAGCTCAAGATGTGTGGCAGTTTTCGGATGGAAG
CTCGAGAGCCCTTAAGTTCTGAGAAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG223575 representing NM_138559

Red=Cloning site Green=Tags(s)

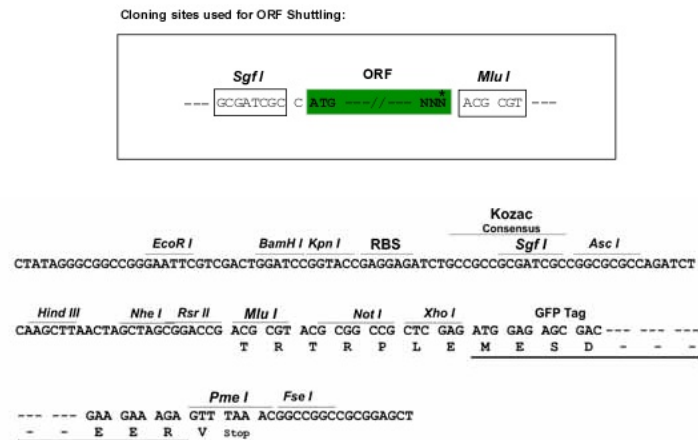
MSRRKQGKPOHLKSKREFSPEPLEAILTDDEPDHGPLGAPEGDHDLLTCGQCQMNFLGDILIFIEHKRKQ
CNGSLCLEKAVDKPPSPSPSIEMKKASNPVEVGIVQTPEDDDCLSTSSRGICPKQEHADKLLHWRGLSSP
RSAHGALIPTPGMSAEYAPQGICKDEPSSYTCTTCKQPFTSAWFLQHAQNTGLRIYLESEHGSP LTPR
VLHTPPFGVVPRELKMGCSFRMEAREPLSSEKI

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_138559

ORF Size:

729 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:

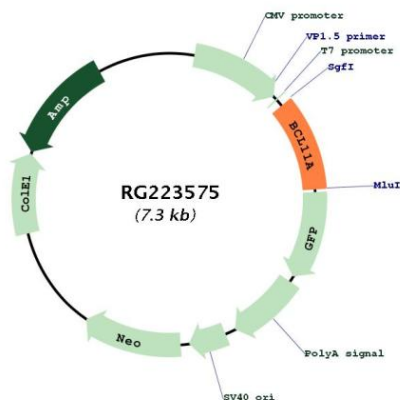
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_138559.2</u>
RefSeq Size:	2358 bp
RefSeq ORF:	732 bp
Locus ID:	53335
UniProt ID:	<u>Q9HI65</u>
Cytogenetics:	2p16.1
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]

Product images:



Circular map for RG223575