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Product datasheet for SC305062

CTIP2 (BCL11B) (NM_022898) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTIP2 (BCL11B) (NM_022898) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTIP2
Synonyms:	ATL1; ATL1-alpha; ATL1-beta; ATL1-delta; ATL1-gamma; CTIP-2; CTIP2; hRIT1-alpha; IDDFSTA; IMD49; RIT1; ZNF856B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for NM_022898 edited
AATAGATGCCGGGGCAATGTCCCGCCGCAAACAGGGCAACCCGCAGCACTTGTCCCAGAG
GGAGCTCATCACCCCAGAGGCTGACCATGTGGAGGCCGCCATCCTCGAAGAAGACGAGGG
TCTGGAGATAGAGGAGCCAAGTGGCCTGGGGCTGATGGTGGGTGGCCCCGACCCTGACCT
GCTCACCTGTGGCCAGTGTCAAATGAACTTCCCCTTGGGGGACATCCTGGTTTTTATAGA
GCACAAAAGGAAGCAGTGTGGCGGCAGCTTGGGTGCCTGCTATGACAAGGCCCTGGACAA
GGACAGCCCGCCACCCTCCTCACGCTCCGAGCTCAGGAAAGTGTCCGAGCCGGTGGAGAT
CGGGATCCAAGTCACCCCCGACGAAGATGACCACCTGCTCTCACCCACGAAAGGCATCTG
TCCCAAGCAGGAGAACATTGCAGGTAAAGATGAGCCTTCCAGCTACATTTGCACAACATG
CAAGCAGCCCTTCAACAGCGCGTGGTTCCTGCTGCAGCACGCGCAGAACACGCACGGCTT
CCGCATCTACCTGGAGCCCGGGCCGGCCAGCAGCTCGCTCACGCCGCGGCTCACCATCCC
GCCGCCGCTCGGGCCGGAGGCCGTGGCGCAGTCCCCGCTCATGAATTTCCTGGGCGACAG
CAACCCCTTCAACCTGCTGCGCATGACGGGCCCCATCCTGCGGGACCACCCGGGCTTCGG
CGAGGGCCGCCTGCCGGGCACGCCGCCTCTCTTCAGTCCCCCGCCGCGCCACCACCTGGA
CCCGCACCGCCTCAGTGCCGAGGAGATGGGGCTCGTCGCCCAGCACCCCAGTGCCTTCGA
CCGAGTCATGCGCCTGAACCCCATGGCCATCGACTCGCCCGCCATGGACTTCTCGCGGCG
GCTCCGCGAGCTGGCGGGCAACAGCTCCACGCCGCCGCCCGTGTCCCCGGGCCGCGGCAA
CCCTATGCACCGGCTCCTGAACCCCTTCCAGCCCAGCCCCAAGTCCCCGTTCCTGAGCAC
GCCGCCGCTGCCGCCCATGCCCCCTGGCGGCACGCCGCCCCCGCAGCCGCCAGCCAAGAG
CAAGTCGTGCGAGTTCTGCGGCAAGACCTTCAAGTTCCAGAGCAATCTCATCGTGCACCG
GCGCAGTCACACGGGCGAGAAGCCCTACAAGTGCCAGCTGTGCGACCACGCGTGCTCGCA
GGCCAGCAAGCTCAAGCGCCACATGAAGACGCACATGCACAAGGCCGGCTCGCTGGCCGG
CCGCTCCGACGACGGGCTCTCGGCCGCCAGCTCCCCCGAGCCCGGCACCAGCGAGCTGGC
GGGCGAGGGCCTCAAGGCGGCCGACGGTGACTTCCGCCACCACGAGAGCGACCCGTCGCT
GGGCCACGAGCCGGAGGAGGAGGACGAGGAGGAGGAGGAGGAGGAGGAGGAGCTGCTACT
GGAGAACGAGAGCCGGCCCGAGTCGAGCTTCAGCATGGACTCGGAGCTGAGCCGCAACCG
CGAGAACGGCGGTGGTGGGGGTGCCCGGGGTCCCGGGCGCGGGGGGCGGCGCGGCCAAGGC
GCTGGCTGACGAGAAGGCGCTGGTGCTGGGCAAGGTCATGGAGAACGTGGGCCTAGGCGC
ACTGCCGCAGTACGGCGAGCTCCTGGCCGACAAGCAGAAGCGCGGCGCCTTCCTGAAGCG
TGCGGCGGGCGGCGGGGACGCGGGCGACGACGACGACGCGGGCGGCTGCGGGGACGCGGG
CGCGGGCGGCGCGGTCAACGGGCGCGGGGGCGGCTTCGCGCCAGGCACCGAGCCCTTCCC
CGGGCTCTTCCCGCGCAAGCCCGCGCCGCTGCCCAGCCCCGGGCTCAACAGCGCCGCCAA
GCGCATCAAGGTGGAGAAGGACCTGGAGCTGCCGCCCGCCGCGCTCATCCCGTCCGAGAA
CGTGTACTCGCAGTGGCTGGTGGGCTACGCGGCGTCGCGGCACTTCATGAAGGACCCCTT
CCTGGGCTTCACGGACGCACGACAGTCGCCCTTCGCCACGTCGTCCGAGCACTCGTCCGA
GAACGGCAGCCTGCGCTTCTCCACGCCGCCCGGGGACCTGCTGGACGGCGGCCTCTCGGG
CCGCAGCGGCACGGCCAGCGGAGGCAGCACCCCGCACCTGGGCGGCCCGGGCCCCGGGCG
GCCCAGCTCCAAGGAGGGCCGCCGCAGCGACACGTGCGAGTACTGCGGCAAGGTGTTCAA
GAACTGCAGCAACTTGACGGTGCACCGGCGGAGCCACACCGGCGAGCGGCCTTACAAGTG
CGAGCTGTGCAACTACGCGTGCGCGCAGAGCAGCAAGCTCACGCGCCACATGAAGACGCA
CGGGCAGATCGGCAAGGAGGTGTACCGCTGCGACATCTGCCAGATGCCCTTCAGCGTCTA
CAGCACCCTGGAGAAACACATGAAAAAGTGGCACGGCGAGCACTTGCTGACTAACGACGT
CAAAATCGAGCAGGCCGAGAGGAGCTAAGCGCGCGGGCCCCGGCGCCCCGCACCTGTACA
GTGGAACCGTTGCCAACCGAGAGAATGCTGACCTGACTTGCCTC

Restriction Sites: Please inquire

ACCN: NM_022898

Insert Size: 2500 bp

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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 clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_022898.1
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_022898.1, NP_075049.1
RefSeq Size:	7603 bp
RefSeq ORF:	2472 bp
Locus ID:	64919
UniProt ID:	Q9C0K0
Cytogenetics:	14q32.2
Protein Families:	Druggable Genome
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] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.

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