

Product datasheet for **SC118298**

CLIP170 (CLIP1) (NM_002956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLIP170 (CLIP1) (NM_002956) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLIP170
Synonyms:	CLIP; CLIP-170; CLIP170; CYLN1; RSN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002956, the custom clone sequence may differ by one or more nucleotides

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ATGAGTATGCTAAAGCCAAGTGGGCTTAAGGCCCCACCAAGATCCTGAAGCCTGGAAGCACAGCTCTGA
AGACACCTACGGCTGTTGTAGCTCCAGTAGAAAAACCATATCCAGTGAAAAAGCATCAAGCACTCCATC
ATCTGAGACTCAGGAGGAATTTGTGGATGACTTTCGAGTTGGGGAGCGAGTTTGGGTGAATGGAAATAAG
CCTGGATTTATCCAGTTTCTGGAGAAACCCAGTTTGCACCAGGCCAGTGGGCTGGAATGTTTTAGATG
AACCCATAGGCAAGAACGATGGTTCGGTGGCAGGAGTTCGGTATTTCCAGTGTGAACCTTAAAGGGCAT
ATTTACCCGACCTCAAAGTTAAACAAGGAAGGTGCAAGCAGAAGATGAAGCTAATGGCCTGCAGACAACG
CCCGCCTCCCGAGCTACTTCACCGCTGTGCACTTCTACGGCCAGCATGGTGTCTTCTCCCCTCCACCC
CTTCAAACATCCCTCAGAAACCATCACAGCCAGCAGCAAAGGAACCTTCAGCTACGCCTCCGATCAGCAA
CCTTACAAAAACTGCCAGTGAATCTATCTCCAACCTTTCAGAGGCTGGCTCAATCAAGAAAGGAGAAAGA
GAGCTCAAAATCGGAGACAGAGTATTGGTTGGTGGCACTAAGGCTGGTGTAGTCCGGTTTCTGGGGAGA
CCGACTTTGCCAAGGGGGAGTGGTGTGGCGTGGAGTTAGATGAGCCACTTGGGAAGAATGATGGCGCTGT
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GACAGGGAGAAGGTGGAGCTTCTCAACCAGCTTGAAGAGGAGAAAAGGAAGTTGAGGACCTTCAGTTCC
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TTTGCAAGAGATAAGCTCTTTGCAAGAAAAGTTAGAAGTCACCCGTA CTGACCACCAGAGAGAAATAACT
TCTCTGAAGGAGCATT TTTGGAGCCCGGGAAGAACTCATCAGAAGGAGATAAAGGCTCTGTATACCGCCA
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CGGGAGGAGAACAGTGGCTTGTGTCAGGAGCTGGAGGAGCTGAGAAAGCAAGCCGACAAAGCCAAAGCTG
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ATGATCAGGAGAAACAGTCCAAGAAGAAACCTCGCCTCTTCTGTGACATTTGTGACTGCTTTGATCTCCA
CGACACAGAGGATTGTCTACCCAGGCACAGATGTCAGAGGACCTCCCCATTCCACACACCATGGCAGT
CGGGGTGAGGAACGCCATACTGTGAAATCTGTGAGATGTTTGGACACTGGGCCACCAACTGCAATGACG
ACGAAAACCTTCTGA

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_002956 unedited
TATAGGGCGCCGCAATTCGCACGAGGGCGGCGACCGGCGCGTCCGAGGAGATTTAAT
CCAGAGACTGACTTCACTATAGAACCCACAGTTGTATCAATGGTTGGGAAAGATAGTGG
CAACAGGCAAAGGAGAAACAGCTCTGACATACAAAGAAAATGAGTATGCTAAAGCCAAGT
GGGCTTAAGGCCCCACCAAGATCTGAAGCCTGGAAGCACAGCTCTGAAGACACCTACG
GCTGTTGTAGCTCCAGTAGAAAAACCATATCCAGTAAAAAGCATCAAGCACTCCATCA
TCTGAGACTCAGGAGGAATTTGTGGATGACTTTTCGAGTTGGGGAGCGAGTTTGGGTGAAT
GGAATAAGCCTGGATTTATCCAGTTTCTTGGAGAAACCCAGTTTGCACCAGGCCAGTGG
GCTGGAATTGTTTTAGATGAACCCATAGGCAAGAACGATGGTTCGGTGGCAGGAGTTCGG
TATTTCCAGTGTGAACCTTTAAAGGGCATATTTACCCGACCTTCAAAGTTAAACAAGGAAG
GTGCAAGCAGAAGATGAAGCTAATGGCCTGCAGACAACGCCCGCCTCCCGAGCTACTTCA
CCGCTGTGCACTTCTACGGCCAGCATGGTGTCTTCTCCCCCTTCAACCTTCAAACATC
CCTCAGAAACCATCACAGCCAGCAGCAAAGGAACCTTCAGCTACGCCTTCGATCAGCAAC
CTTTACAAAACCTGCCAGTGAATCTATCTNCAACCTTTTCAGAGGCTGGNCTCATCAGAA
AGGAGAAAAGAGAGCTCAAATCGAGACAGAGATTTGGNTGGNTGCACTAAGCTTGNTGT
ATTCGGTTTCTTGGG
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_002956 unedited
CCTTATGACTATGNNACCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTAA
AGATAACCATTTATTAAGTAGATACAGAACACTTGTTTGGCCAAATTTAATACTGCTT
TACATGTTTTCTGTTTGTGAAACAATTCGTATTACATTTATAACCAAAAATTTCAACTGG
TACCAGATTGAATATTCAGTGTGCAACACACAGTTGATAATCTTGAGGGGAAAATACATC
AAAGGCATATATAACAATTATTGAAGTCTTATTGTACATGTAGCATGGAAGATACATTTT
ATGACTTTTTACATATTCTAGAAGACATTCAAATGAAGATAAATAGATTAAACTGGTC
GATAAACTGTTTCCAGTGTCTTGGAGTCCCTTCAATTTCTTTTTTGTGATAAGAAAATCCAA
AATTATTAACGTTGAATTTCTCATCGTACATTCCTCTAAAAACAGTAAAAAACTGTGA
AGGGAGATTGTAGATTGGTTATTTAGGTGTTTTATACTGGCTTATTGTTAATTGACTGCT
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TGGTGAAGAAAATAAAGGAAAACAAACAATGAAAATGGTTGCAAAGCCACAAGATGCTA
TGTCTGGCCTAGTCTGTTATGTCCTAATGATCATTTTAAAGTGTCTTTTCAAAAAGG
TAAATGTCCAAAAGAAAGACACATTGTGTATGTTTTTTCCAAAATATAGATTTTTAA
AAAATATATACATACCATATATAGAAGCTGAAATTATGCAAACTAATAAACANNACACC
ACAGTAGATTAAGTGGTGCAGCATATAGATTATAAATGTCCCCACAGCAGTTTGGNGG
GCTTGCCCTNCCTTTTTACTGCTNCATGATNTATAATCACACCTAN
```

Restriction Sites:

NotI-NotI

ACCN:

NM_002956

Insert Size:

5300 bp

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](#)

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_002956.2](#), [NP_002947.1](#)

RefSeq Size: 5898 bp

RefSeq ORF: 4284 bp

Locus ID: 6249

UniProt ID: [P30622](#)

Cytogenetics: 12q24.31

Domains: CAP_GLY, M

Gene Summary: The protein encoded by this gene links endocytic vesicles to microtubules. This gene is highly expressed in Reed-Sternberg cells of Hodgkin disease. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
 Transcript Variant: This variant (1) lacks an alternate in-frame exon compared to variant 3. The resulting isoform (a) has the same N- and C-termini but is shorter compared to isoform c.