

Product datasheet for **SC113633**

CLLD7 (RCBTB1) (NM_018191) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLLD7 (RCBTB1) (NM_018191) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLLD7
Synonyms:	CLLD7; CLLL7; GLP; RDEOA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113633 sequence for NM_018191 edited (data generated by NextGen Sequencing)

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ATGGTGGATGTCGGAAAGTGGCCCATCTTCACTCTACTCTCCCCTCAAGAGATTGCGTCT
ATTCGGAAGGCGTGTGTCTTCGGCACCTCAGCCAGTGAAGCACTGTACGTTACTGACAAT
GATGAGGTCTTTGATTTGGACTGAACTATAGTAAGTGTCTAGGAAGTGGAGATAACCAG
AGTACACTTGTACCCAAAAAGCTAGAAGGCTTATGTGGAAGAAGATTAAGGCCTCAGT
TACGGGAGTGGACCACATGTTCTTCTCAGCACCGAAGATGGAGTGGTTTATGCCTGGGGC
CACAAATGGATATAGCCAGCTTGGGAATGGGACGACCAACCAAGGCATCGCTCCCGTCCAG
GTCTGTACCAATCTCTTGATCAAGCAAGTGGTGGAAAGTGGCTTGTGGCTCACATCATTCA
ATGGCTCTGGCAGCTGATGGAGAGGTGTTTGGCTTGGGGTTATAACAAGTGGCCAAAGT
GGATCAGGTTCTACAGCAAATCAACCAACTCCTCGAAAAGTTACAACTGTTTACATATT
AAGAGGGTAGTTGGCATTGCCTGTGGTCAGACTTCATCCATGGCTGTTCTGGACAATGGC
GAGGTATATGGCTGGGGTTACAATGGCAACGGTCAGCTGGGCTTGGGAACAATGGCAAC
CAGCTGACCCCTGTGAGAGTGGCAGCTTGCACAGCGTGTGTGTGAACCAGATTGTCTGC
GGTTACGCACATACTCTAGCACTAACAGATGAGGGCTTGTGTATGCCTGGGAGCTAAC
ACATATGGGCAGCTGGGAACTGGCAATAAAAAATACCTGCTAAGCCCAGCACACATCATG
GTGGAGAAAGAAAGGGTGGTAGAGATTGCAGCCTGTCACTCTGCCACACGCTCTGCAGCC
AAGACGCAGGGTGGGCACGTGTACATGTGGGGCCAGTGCCGGGGTCACTCAGTGATCCTC
CCGCACCTCACCACTTCTCCTGCACCGATGACGTGTTTGCCTGCTTGGCACTCCCGCC
GTCTCGTGGCGCCTCCTGTCTGTGGAGCATGAAGACTTTTAAAGTGTGCAGAGTCACTG
AAGAAAGAATTTGATAGTCCAGAACTGCTGATCTGAAGTTTGAAGTGTGAGAAATAT
ATTCATGTCCATAAAGCTGTTTTGAAAAATCAGGTGTGAGCATTTTCGATCCATGTTCCAG
TCGTATTGGAATGAAGACATGAAGGAAGTATAGAAATCGATCAGTTTTCTTACCCAGTG
TATCGTGCCTTTCTCCAGTACCTCTACACAGACACAGTCGACCTGCCGCCAGAAGATGCT
ATAGGTCTTCTGGATTTGGCGACATCTTACTGTGAAAACAGACTGAAAAAATTTGTGAG
CACATTATCAAGAGAGGAATTACTGTGGAGAATGCCTTTTCGCTATTCTCTGCTGCAGTC
AGATATGATGCAGAGGATTTAGAAGAATTCTGCTTTAAGTTTTGCATCAATCATTGACA
GAAGTTACACAGACTGCAGCATTTTGGCAAATGGATGGCCCTCTGCTAAAGGAATTCATT
GCTAAAGCCAGTAAATGTGGAGCCTTTAAGAACTGA
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Clone variation with respect to NM_018191.3
 54 c=>t;348 t=>c;399 a=>g;643 c=>t;951 c=>a;990 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018191 unedited

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NAGGGGTGGCCTATTAGGTAATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCC
CATTGGAGCTTCGAGATCCCTGCGGTCCCGGGACGGCGGCAGCAGCTGACCTCGC
AGACAGGATCTTGCTCTCTTGGCCAGACTGGAATACAGTGGTGTGAACACGGCTCACTGC
AGCCTCAACCTCCTGGACTCAGAGATGTCGGCTTATTTATAGGAATTGCTTGAAGCCAGA
GTCATGGTGGATGTCGGAAGTGGCCCATCTTCACTCTACTCTCCCCTCAAGAGATTGCG
TCTATTGGAAGGCGTGTGTCTTCGGCACCTCAGCCAGTGAAGCACTGTACGTTACTGAC
AATGATGAGGTCTTTGTATTTGGACTGAACTATAGTAAGTGTCTAGGAAGTGGAGATAAC
CAGAGTACACTTGTACCCAAAAAGCTAGAAGGCTTATGTGGAAGAAGATTAAGGCCTC
AGTTACGGGAGTGGACCACATGTTCTTCTCAGCACCGAAGATGGAGTGGTTTATGCCTGG
GGCCACAATGGATATAGCCAGCTTGGGAATGGGACGACCAACCAAGGCATCGCTCCCGTC
CAGGTCTGTACCAATCTCTTGATCAAGCAAGTGGTGGAAAGTGGCTTGTGGCTCACATCAT
TCAATGGCTCTGGCAGCTGATGGAGAGGTGTTTGTGGGGTTATAACAAGTGTGGCCAA
GTGGGATCAGGTTCTACAGCANATCAACCAACTCCTCGAAAAGTTACCAACTGTTTACAT
ATTAAGAGGGTAGTTGGCATTGCCTGTGGTCAGACTTCATCCATGGCCTGTCTGGACAAT
GGCGANGTATATGGCTGGGGNTACAATGGCACCGTCAGCTGGGCTTGGGAACAAATGCAC
CAGCTGACCCCTT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018191 unedited <pre> GGGGGAGACTACTGTGTACCGCGCCCGCATTCTANGTCGGATAAATTCCTTTTTTTTTTTT TTAATGTTACTTTGTTTATAACATGTCGTTCTAAATATTACATAAATACAGCTTACATAC TAGAGTATCAACATTGTTCCAGTAAGAAGTTCAGAGTACATTTAGGGCTATCTTAAGA AATATGAATACTTTGGCTTCCATTATTACATTAGATGATTTTATCAATTCAAATAAGAGT TGTCATATCCTGCTATGATTAACAAAAAACAAGTAGAAAAATAAGAGAGTGATTTAAA AAAAATAATCAAATGCTTTTTGAAAGACCTGTTCTCTTCACTGCCACACATATTCATACA AATGACTTAGTAATCTAATATGAGAAAGTGGTCCTTCACTTATATTAGGAACCTGGTAAAT ATTTGTTGAATGAATGAATCTATGGATATGAATTTACTACTTTAATTTGTGCTTTTT TTGAAAAAAGTTTTCAAGTAAGAGCAATAGTAAACATACTGAAGTTCACATGTTGCTCA GATCATAAGCCTATAGAACAGTGATTGTTACAAACACCAACCCATCATAGCACAAATCAAT GTGCATTTCTGAAGCTAGTAAGAAAAGTTCTATCATGTTGTAGAACGAATTCTAACCAC TAATTCAGTGGGCTTCAATCACTTGTGATATGGTCAAGAAAAGGGGCTGGGGCTCCTAGG CTTGATCTATTTTCAGCTATCAGTGAATTCCTATCTTTAGGGCCTCACTCCCTTCCCAC CCCAATAGACACAAATTTAAAAACATTGCTAAAAATAGTAGTTGTAGCATGTCTTCACCC ACCTGTAATTTGGCTCTGAAAATGTATTAGGCTCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018191
Insert Size:	4500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_018191.3 , NP_060661.3
RefSeq Size:	4042 bp
RefSeq ORF:	1596 bp
Locus ID:	55213
UniProt ID:	Q8NDN9
Cytogenetics:	13q14.2
Domains:	BTB, RCC1

Gene Summary:

This gene encodes a protein with an N-terminal RCC1 domain and a C-terminal BTB (broad complex, tramtrack and bric-a-brac) domain. In rat, over-expression of this gene in vascular smooth muscle cells induced cellular hypertrophy. In rat, the C-terminus of RCBTB1 interacts with the angiotensin II receptor-1A. In humans, this gene maps to a region of chromosome 13q that is frequently deleted in B-cell chronic lymphocytic leukemia and other lymphoid malignancies. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1-5 all encode the same isoform (a).