

## Product datasheet for **RC223119**

### **CTNND1 (NM\_001085466) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CTNND1 (NM_001085466) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTNND1
Synonyms:	BCDS2; CAS; CTNND; p120; p120(CAS); p120(CTN); P120CAS; P120CTN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC223119 representing NM\_001085466  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGGAGCCGGGCGAGATTGTGGAGACCTACACGGAGGAGGATCCTGAGGGAGCCATGTCTGTAGTCT  
 CTGTGGAGACCTCAGATGATGGGACCACTCGGCCGCACAGAGACCACGGTCAAGAAAGTAGTGAAGACTGT  
 GACAACACGAGACGTACAGCCAGTCGCTATGGGACCAGACGGGTTGCCTGTGGATGCTTCATCAGTTTCT  
 AACAACTATATCCAGACTTTGGGTCTGATTTCCGCAAGAATGGCAATGGGGGACCTGGTCCCTATGTGG  
 GGCAAGCTGGCACTGCTACCTTCTTAGGAACCTCCACTACCTCCTGATGGTTATAGTCGCCACTATGA  
 AGATGGTTATCCAGGTGGCAGTGATAACTATGGCAGTCTGTCCCAGGTCACCCGATTGAGGAGCGGTAT  
 AGGCCAGCATGGAAGGCTACCGGGCACCTAGTAGACAGGATGTGTATGGGCCCCAACCCAGGTTCCGG  
 TAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCTTATGGGCTAGAGGATGACCAGCGTAG  
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 TCTGACCCTCGTCGGCGCCTCAGGAGCTATGAAGACATGATTGGTGAGGAGGTGCCATCGGATCAATACT  
 ACTGGGCTCCTTTGGCCAGCATGAGCGAGGAAGTTTAGCAAGCTTGGATAGCCTGCGCAAGGAGGGCC  
 TCCACCTCCTAATTGGAGACAGCCAGAGCTGCCAGAGGTGATCGCCATGCTTGGATTCCGCTTGGATGCT  
 GTCAAGTCCAATGCAGCTGCATACCTGCAACACTTATGCTACCGCAATGACAAGGTGAAGACTGACGTGC  
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 CTGTGGAGCTCTCAAGAATATCTCTTTGGACGTGACCAGGATAACAAGATTGCCATAAAAACTGTGAT  
 GGTGTGCCTGCCCTTGTGCGATTGCTTCGAAAGGCTCGTGATATGGACCTTACTGAAGTTATTACCGGAA  
 CCCTGTGGAATCTTTCATCCCATGACTCAATCAAAATGGAGATTGTGGACCATGCATGCCCTTGCATGAC  
 AGATGAAGTGATCATTCCCTCATTCTGGTTGGGAGCGGGAACCTAATGAAGACTGTAAGCCACGCCATATT  
 GAGTGGGAATCGGTGCTACCAACACAGCTGGCTGCCTTAGGAATGTAAGCTCAGAGAGGAGTGAAGCTC  
 GCCGAAACTTCGGGAATGTGATGGTTTAGTTGATGCCCTCATTTCATTGTTTCAGGCTGAGATTGGGCA  
 GAAGGATTCAGACAGCAAGCTTGTAGAGAACTGTGTTGCCTTCTCGGAACTTATCATATCAAGTTCAC  
 CGGGAGATCCACAGGCAGAGCGTTACCAAGAGGCAGCTCCCAATGTTGCCAACAATACTGGCCACATG  
 CTGCCAGTTGCTTTGGGGCAAGAAGGGCAAAGATGAGTGGTTCTCCAGAGGGAAAAACCTATAGAGGA  
 TCCAGCAAACGATACAGTGGATTCCCTAAAAGAACGAGTCCAGCTCGAGGCTATGAGCTCTTATTTAG  
 CCAGAGGTGGTTCGGATATACATCTCACTTCTTAAGGAGAGCAAGACTCCTGCCATCCTAGAAGCCTCAG  
 CTGGAGCTATCCAGAACTGTGTGCTGGGCGCTGGACGTATGGTCGATACATCCGCTCTGCTCTGGTCA  
 AGAGAAGGCTCTTCTGCCATAGCTGACCTCCTGACTAATGAACATGAACGGGTGGTGAAGCTGCATCT  
 GGAGCACTGAGAAACCTGGCTGTGGATGCTCGCAACAAAGAAATTAATTGGTAAACATGCTATTCCTA  
 TGGTAAAGAACTGCCAGGAGGACAGCAGAACTCCTCTTGGAAATTTCTCTGAGGACACTGTCATCTCTAT  
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 CTCATTGACCGGAACCAAAAATCAGATAAGAAACCTGATCGGGAAGAAATTCAGATGAGCAATATGGGAT  
 CAAACACAAAATCACTAGATAACAATATTCCACACAAATGAGAGAGGAGACCACAATAGAACACTGGA  
 TCGATCGGGGATCTAGGCGACATGGAGCCATTGAAGGGAACAACACCCTTGATGCAGAAGATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC223119 representing NM\_001085466  
 Red=Cloning site Green=Tags(s)

MQEPGQIVETYTEEDPEGAMSVSVSVETSDDGTTTRRTETT VKKVVKTVTTTRTVQPVAMGPDGLPVDASSVS  
 NNYIQT LGRDFRKNNGGPGPYVGQAGTATLPRNFHYPPDGYSRHYEDGYPGGSDNYGSLSRVTRIEERY  
 RPSMEGYRAPS RQDVYGPQPQVRVGGSSVDLHRFHPEPYGLEDDQRSMGYDDL DYGMMSDYGTARRTGTP  
 SDPRRRLRSYEDMIGEEVPSDQYYWAPLAQHERGSLASLDSL RKG GPPPNWRQPELPEVIAMLGFR L DA  
 VKSNAAYLQHL CYRNDKVKTDVRKLGIPVLVGLLDHPKKEVHLGACGALKNISFGRDQDNKIAIKNCD  
 GVPALVRLLRKARDMDL TEVITGTLWNLSSHDSIKMEIVDHALHALTDEVIIPHSGWEREPNEDCKPRHI  
 EWESVLTNTAGCLRNVSSEARRKLRECDGLVDALIFIVQAEIGQKSDSKLVENCVCLLRNLSYQVH  
 REIPQAERYQEAAPNVANNTGPHAASCFGAKK GKDEWFSRGKKPIEDPANDTVDFPKRTSPARGYELLFQ  
 PEVVRIYISLLKESKTPAILEASAGAIQNL CAGRWTYGRYIRSALRQEKALSAIADLLTNEHERVKAAS  
 GALRNLAVDARNKELIGKHAIPNLVKNLPGGQQNSSWNFSEDTVISILNTINEVIAENLEAAKLR ETQG  
 IEKLV L INKSGNRSEKEVRAAAVLQTIWGYKELRKPLEKEGWKKSDFQVNLNNASRSQSSHSYDDSTLP  
 LIDRNQKSDKKPDREEIQMSNMGSNKSLDNNYSTPNERGDHNR TLDRSGDLGDMEPLKGT TPLMQKI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001085466

**ORF Size:** 2514 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.

**RefSeq:** [NM\\_001085466.1](#), [NP\\_001078935.1](#)

**RefSeq Size:** 5795 bp

**RefSeq ORF:** 2517 bp

**Locus ID:** 1500

**UniProt ID:** [O60716](#)

**Cytogenetics:** 11q12.1

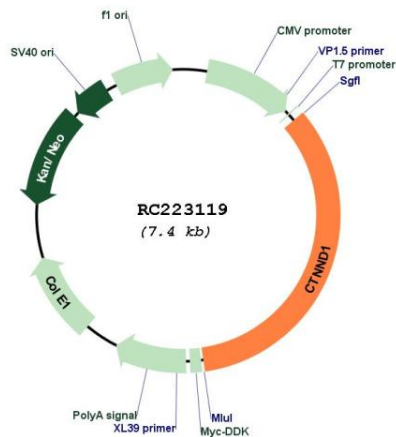
**Protein Families:** Druggable Genome

**Protein Pathways:** Adherens junction, Leukocyte transendothelial migration

**MW:** 93.3 kDa

**Gene Summary:** This gene encodes a member of the Armadillo protein family, which function in adhesion between cells and signal transduction. Multiple translation initiation codons and alternative splicing result in many different isoforms being translated. Not all of the full-length natures of the described transcript variants have been determined. Read-through transcription also exists between this gene and the neighboring upstream thioredoxin-related transmembrane protein 2 (TMX2) gene. [provided by RefSeq, Dec 2010]

### Product images:



Circular map for RC223119