

## Product datasheet for **RC223066**

### CTNND1 (NM\_001085465) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | CTNND1 (NM_001085465) 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:**

>RC223066 representing NM\_001085465  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGGAGCCGGGCGAGATTGTGGAGACCTACACGGAGGAGGATCCTGAGGGAGCCATGTCTGTAGTCT  
 CTGTGGAGACCTCAGATGATGGGACCACTCGGCCGACAGAGACCAGGTCAAGAAAGTAGTGAAGACTGT  
 GACAACACGGACAGTACAGCCAGTCGCTATGGGACCAGACGGGTTGCCTGTGGATGCTTCATCAGTTTCT  
 AACAACTATATCCAGACTTTGGGTCTGATTTCCGCAAGAATGGCAATGGGGGACCTGGTCCCTATGTGG  
 GGCAAGCTGGCACTGCTACCTTCTTAGAACTCCACTACCTCCTGATGGTTATAGTCGCCACTATGA  
 AGATGGTTATCCAGGTGGCAGTGATAACTATGGCAGTCTGTCCCAGGTCACCCGATTGAGGAGCGGTAT  
 AGGCCAGCATGGAAGGCTACCGGGCACCTAGTAGACAGGATGTGTATGGGCCCCAACCCAGGTTCCGG  
 TAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCTTATGGGCTAGAGGATGACCAGCGTAG  
 TATGGGCTATGATGACCTGGATTATGGTATGATGTCTGATTATGGCACTGCCCGTCGGACTGGGACACC  
 TCTGACCCTCGTCGGCGCCTCAGGAGCTATGAAGACATGATTGGTGAGGAGGTGCCATCGGATCAACT  
 ACTGGGCTCCTTTGGCCAGCATGAGCGAGGAAGTTTAGCAAGCTTGGATAGCCTGCGCAAGGAGGGCC  
 TCCACCTCCTAATTGGAGACAGCCAGAGCTGCCAGAGGTGATCGCCATGCTTGGATTCCGCTTGGATGCT  
 GTCAAGTCCAATGCAGCTGCATACCTGCAACACTTATGCTACCGCAATGACAAGGTGAAGACTGACGTGC  
 GGAAGCTCAAGGGCATCCAGTACTGGTGGGATTGTTAGACCATCCAAAAAGGAAGTGCACCTTGGAGC  
 CTGTGGAGCTCTCAAGAATATCTCTTTGGACGTGACCAGGATAACAAGATTGCCATAAAAACTGTGAT  
 GGTGTGCCTGCCCTTGTGCGATTGCTTCGAAAGGCTCGTGATATGGACCTTACTGAAGTTATTACCGGAA  
 CCCTGTGGAATCTTTCATCCCATGACTCAATCAAAATGGAGATTGTGGACCATGCATGCCCTCGCTGAC  
 AGATGAAGTGATCATTCCCTCATTCTGGTTGGGAGCGGGAACCTAATGAAGACTGTAAAGCCACGCCATATT  
 GAGTGGGAATCGGTGCTACCAACACAGCTGGCTGCCTTAGGAATGTAAGCTCAGAGAGGAGTGAAGCTC  
 GCCGAAACTTCGGGAATGTGATGGTTTAGTTGATGCCCTCATTTCATTGTTTCAGGCTGAGATTGGGCA  
 GAAGGATTCAGACAGCAAGCTTGTAGAGAACTGTGTTGCCTTCTCGGAACTTATCATATCAAGTTCAC  
 CGGGAGATCCCACAGGCAGAGCGTTACCAAGAGGCAGCTCCCAATGTTGCCAACAACTACTGGCCACATG  
 CTGCCAGTTGCTTTGGGGCAAGAAGGGCAAAGGGAAAAAACCTATAGAGGATCCAGCAAACGATACAGT  
 GGATTTCCCTAAAAGAACGAGTCCAGCTCGAGGCTATGAGCTCTATTTCAGCCAGAGGTGGTTCGGATA  
 TACATCTCACTTCTTAAGGAGAGCAAGACTCCTGCCATCCTAGAAGCCTCAGCTGGAGCTATCCAGA  
 ACTTGTGTGCTGGGCCTGGACGTATGGTCGATACATCCGCTCTGCTCTGCGTCAAGAGAAGGCTCTTCTGC  
 CATAGCTGACCTCCTGACTAATGAACATGAACGGTGGTAAAAGCTGCATCTGGAGCACTGAGAAACCTG  
 GCTGTGGATGCTCGAACAAAGAATTAATTGGTAAACATGCTATTCTAACTTGGTAAAGAATCTGCCAG  
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 GATATAAGGAACTGCGGAAGCCACTGGAAAAAGAAGGATGGAAGAAATCAGACTTTCAGGTGAATCTAAA  
 CAATGCTTCCCGAAGCCAGAGCAGTCATTCATATGATGATAGTACTCTCCCTCTCATTGACCGGAACCAA  
 AAATCAGATAAACAACTATCCACACCAAAATGAGAGAGGAGACCACAATAGAACACTGGATCGATCCGGGG  
 ATCTAGGCGACATGGAGCCATTGAAGGGAACAACCCCTTGTGTCAGGAGCAGGGGCGAGGAATCTCTGGA  
 GGAAGAGTTGGATGTGTTGGTTTTGGATGATGAGGGGGCCAAGTGTCTTACCCCTCCATGCAGAAGATT

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC223066 representing NM\_001085465  
Red=Cloning site Green=Tags(s)

MQEPGQIVETYTEEDPEGAMSVSVETSDDGTTTRRTETT VKKVVKTVTTRTVQPVAMGPDGLPVDASSVS  
NNYIQT LGRDFRKNNGGPGPYVGQAGTATLPRNFHYPPDGYSRHYEDGYPGGSDNYGSLSRVTRIEERY  
RPSMEGYRAPS RQDVYGPQPQVRVGGSSVDLHRFHPEPYGLEDDQRSMGYDDL DYGMMSDYGTARRTGTP  
SDPRRRLRSYEDMIGEEVPSDQYYWAPLAQHERGSLASLDSL RKGPPPPNWRQPELPEVIAMLGFR L DA  
VKSNAAYLQHL CYRNDKVKTDVRKLGIPVLVGLLDHPKKEVHLGACGALKNISFGRDQDNKIAIKNCD  
GVPALVRLLRKARDMDL TEVITGTLWNLSSHDSIKMEIVDHALHALTDEVIIPHSGWEREPNEDCKPRHI  
EWESVL TNTAGCLRNVSSERSEARRKLRECDGLVDALIFIVQAEIGQKSDSKLVENCVCLLRNLSYQVH  
REIPQAERYQE AAPNVANNTGPHAASCFGAKKGGKPKIEDPANDTVDFPKRTSPARGYELLFQPEVVRI  
YISLLKESKTPAILEASAGAIQNL CAGRWTYGRYIRSALRQEKALSAIADLLTNEHERVVKAASGALRNL  
AVDARNKELIGKHAIPNLVKNLPGGQQNSSWNFSEDTVISILNTINEVIAENLEAAKKLRETQGIEKLV  
INKSGNRSEKEVRAAALVLQTIWGYKELRKPLEKEGWKKSDFQVNLNNASRSQSSH SYDDSTLPLIDRNQ  
KSDNNYSTPNERGDHNR TLDRSGDLGDMEPLKGTTPLMQDEGQESLEEELDVLVL DDEGGQVSYP SMQKI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001085465

**ORF Size:** 2520 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\\_001085465.1](#), [NP\\_001078934.1](#)

**RefSeq Size:** 5801 bp

**RefSeq ORF:** 2523 bp

**Locus ID:** 1500

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

**Cytogenetics:** 11q12.1

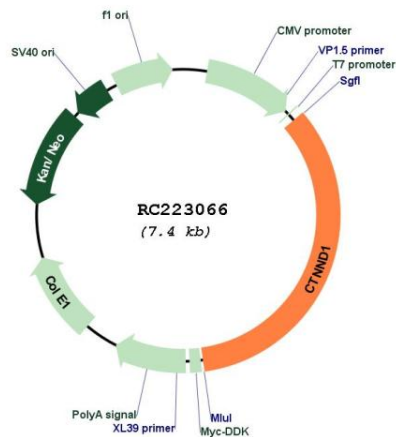
**Protein Families:** Druggable Genome

**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 RC223066