

Product datasheet for **RC223444**

CTNND1 (NM_001085464) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNND1 (NM_001085464) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RC223444 representing NM_001085464
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGGAGCCGGGCGAGATTGTGGAGACCTACACGGAGGAGGATCCTGAGGGAGCCATGTCTGTAGTCT
 CTGTGGAGACCTCAGATGATGGGACCACTCGGCCGACAGAGACCACGGTCAAGAAAGTAGTGAAGACTGT
 GACAACACGAGACGTACAGCCAGTCGCTATGGGACCAGACGGGTTGCCTGTGGATGCTTCATCAGTTTCT
 AACAACTATATCCAGACTTTGGGTCTGATTTCCGCAAGAATGGCAATGGGGGACCTGGTCCCTATGTGG
 GGCAAGCTGGCACTGCTACCTTCTAGGAACTCCACTACCTCCTGATGGTTATAGTCGCCACTATGA
 AGATGGTTATCCAGGTGGCAGTGATAACTATGGCAGTCTGTCCCAGGATGACCCGATTGAGGAGCGGTAT
 AGGCCAGCATGGAAGGCTACCGGGCACCTAGTAGACAGGATGTGTATGGGCCCCAACCCAGGTTCCGG
 TAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCTTATGGGCTAGAGGATGACCAGCGTAG
 TATGGGCTATGATGACCTGGATTATGGTATGATGTCTGATTATGGCACTGCCCGTCGGACTGGGACACCC
 TCTGACCCTCGTCGGCGCCTCAGGAGCTATGAAGACATGATTGGTGAGGAGGTGCCATCGGATCAATACT
 ACTGGGCTCCTTTGGCCAGCATGAGCGAGGAAGTTTAGCAAGCTTGGATAGCCTGCGCAAGGAGGGCC
 TCCACCTCCTAATTGGAGACAGCCAGAGCTGCCAGAGGTGATCGCCATGCTTGGATTCCGCTTGGATGCT
 GTCAAGTCCAATGCAGCTGCATACCTGCAACACTTATGTACCGCAATGACAAGGTGAAGACTGACGTGC
 GGAAGCTCAAGGGCATCCAGTACTGGTGGGATTGTTAGACCATCCCAAAAAGGAAGTGCACCTTGGAGC
 CTGTGGAGCTCTCAAGAATATCTCTTTGGACGTGACCAGGATAACAAGATTGCCATAAAAACTGTGAT
 GGTGTGCCTGCCCTTGTGCGATTGCTTCGAAAGGCTCGTGATATGGACCTTACTGAAGTTATTACCGGAA
 CCCTGTGGAATCTTTCATCCCATGACTCAATCAAAATGGAGATTGTGGACCATGCATGCATGCCCTTAC
 AGATGAAGTGATCATTCTCATTCTGGTTGGGAGCGGGAACCTAATGAAGACTGTAAAGCCACGCCATATT
 GAGTGGGAATCGGTGCTACCAACACAGCTGGCTGCCTTAGGAATGTAAGCTCAGAGAGGAGTGAAGCTC
 GCCGAAACTTCGGGAATGTGATGGTTTGTGATGCCCTCATTTCATTGTTTCAGGCTGAGATTGGGCA
 GAAGGATTCAGACAGCAAGCTTGTAGAGAACTGTGTTGCCTTCTCGGAACTTATCATATCAAGTTCAC
 CGGGAGATCCACAGGCAGAGCGTTACCAAGAGGCAGCTCCCAATGTTGCCAACAATACTGGCCACATG
 CTGCCAGTTGCTTTGGGGCAAGAAGGGCAAGGGAAAAAACCTATAGAGGATCCAGCAACGATACAGT
 GGATTTCCCTAAAAGAACGAGTCCAGCTCGAGGCTATGAGCTCTATTTCAGCCAGAGGTGGTTCGGATA
 TACATCTCACTTCTTAAGGAGAGCAAGACTCCTGCCATCCTAGAAGCCTCAGCTGGAGCTATCCAGA
 ACTTGTGTGCTGGGCCTGGACGTATGGTCGATACATCCGCTCTGCTCTGCGTCAAGAGAAGGCTCTTCTGC
 CATAGCTGACCTCCTGACTAATGAACATGAACGGTGGTAAAAGCTGCATCTGGAGCACTGAGAAACCTG
 GCTGTGGATGCTCGAACAAAGAATTAATTGGTAAACATGCTATTCTAAGTGGTAAAGAACTGCCCAG
 GAGGACAGCAGAACTCCTCTTGGAAATTTCTCTGAGGACACTGTCATCTCTATTTTGAACACTATCAACGA
 GGTTATCGCTGAGAACTTGGAGGCTGCCAAAAGCTTCGAGAGACACAGGATTTGAGAAGCTGGTGTG
 ATCAACAAATCAGGGAACCGCTCAGAAAAAGAAGTTCGAGCAGCAGCACTTGATTTACAGACAATCTGGG
 GATATAAGGAACTGCGGAAGCCACTGGAAAAAGAAGGATGGAAGAAATCAGACTTTCAGGTGAATCTAAA
 CAATGCTTCCCGAAGCCAGAGCAGTCAATCATATGATGATAGTACTCTCCCTCTCATTGACCGGAACCAA
 AAATCAGATAAAGAACTGATCGGGAAGAAATTCAGATGAGCAATATGGGATCAAACACAAAATCACTAG
 ATAACAACTATCCACACCAATGAGAGAGGAGACCACAATAGAACACTGGATCGATCGGGGATCTAGG
 CGACATGGAGCCATTGAAGGGAACAACCCCTTGTGATGCAGGACGAGGGGCAGGAATCTCTGGAGGAAGAG
 TTGGATGTGTTGGTTTTGGATGATGAGGGGGCCAAAGTGTCTTACCCCTCCATGCAGAAGATT

ACCGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223444 representing NM_001085464
 Red=Cloning site Green=Tags(s)

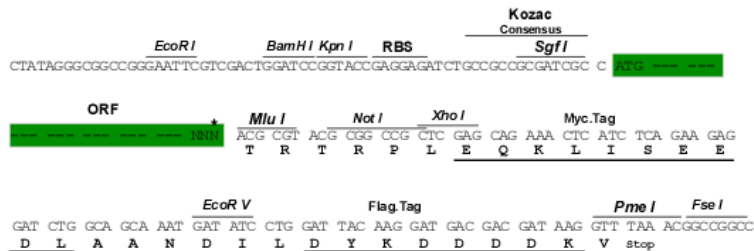
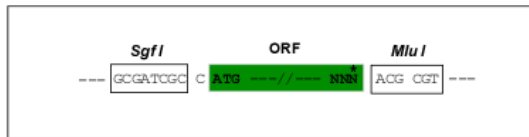
MQEPGQIVETYTEEDPEGAMSVSVETSDDGTTTRRETETVKKVVKVTVTTRTVQPVAMGPDGLPVDASSVS
 NNYIQT LGRDFRKNNGGPGPYVQAGTATLPRNFHYPPDGYSRHYEDGYPGGSNDYGSLSRVTRIEERY
 RPSMEGYRAPS RQDVYGPQPQVRVGGSSVDLHRFHPEPYGLEDDQRSMGYDDL DYGMSDYGTARRTGTP
 SDPRRRLRSYEDMIGEEVPSDQYYWAPLAQHERGSLASLDSL RKGPPPNWRQPELPEVIAMLGFR LDA
 VKSNAAA YLQHLCYRNDKVKTDVRKLGIPVLVGLLDHPKKEVHLGACGALKNISFGRDQDNKIAIKNCD
 GVPALVRLLRKARDMDL TEVITGTLWNLSSHDSIKMEIVDHALHALTDEVIIPHSGWEREPNEDCKPRHI
 EWESVLTNTAGCLRNVSSERSEARRKLRECDGLVDALIFIVQAEIGQKSDSKLVENCVCLLRNLSYQVH
 REIPQAERYQEAAPNVANNTGPHAASCFGAKKGGKPKIEDPANDTVDFPKRTSPARGYELLFQPEVVRI
 YISLLKESKTPAILEASAGAIQNL CAGRWTYGRYIRSALRQE KALSAIADLLTNEHERVKAASGALRNL
 AVDARNKELIGKHAIPNLVKNLPGGQQNSSWNFSEDTVISILNTINEVIAENLEAAKKLRETQGIKLV
 INKSGNRSEKEVRAAALVLQTIWGYKELRKPLEKEGWKKSDFQVNLNNASRSQSSH SYDDSTLPLIDRNQ
 KSDKKPDREEIQMSNMGSNTKSLDNNYSTPNERGDHNR TLD RSGDLGDMEPLKGT TPLMQDEGQESLEEE
 LDV LVL DDEGGQVSYSMQKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
Cloning Scheme:

Sgfl-MluI

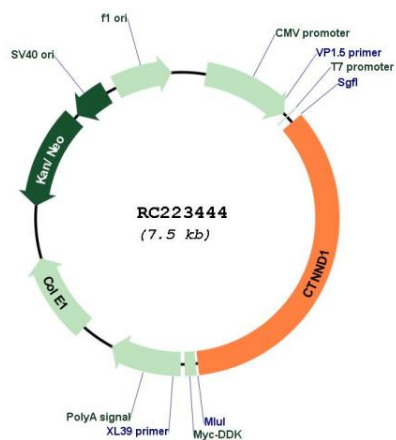
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001085464
ORF Size:	2583 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:	<ol style="list-style-type: none">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_001085464.1 , NP_001078933.1
RefSeq Size:	5864 bp
RefSeq ORF:	2586 bp
Locus ID:	1500
UniProt ID:	O60716
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Leukocyte transendothelial migration
MW:	95.7 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 RC223444