

Product datasheet for **RC222971**

CTNND1 (NM_001085462) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNND1 (NM_001085462) 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:

>RC222971 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

RCATGGACGACTCAGAGGTGGAGTCGACCGCCAGCATCTTGGCCTCTGTGAAGGAACAAGAGGCCAGTT
 TGAGAAGCTGACCCGGGCGCTGGAGGAGAACGGCGCCACGTCTCGGCGCAGCTGGAACGCGTCCGGGTC
 TCACCACAAGATGCCAACCCACTCATGGCCAACGGCACACTCACCCGCCGCATCAGAACGGCCGGTTTG
 TGGGCGATGCTGACCTTGAAAGACAGAAATTTTCAGATTTGAAACTCAACGGACCCAGGATCACAGTCA
 CTTTCTATATAGCACCATCCCCAGGATGCAGGAGCCGGGGCAGATTGTGGAGACCTACACGGAGGAGGAT
 CCTGAGGGAGCCATGTCTGTAGTCTCTGTGGAGACCTCAGATGATGGGACCCTCGGCGCACAGAGACCA
 CGGTCAAGAAAGTAGTGAAGACTGTGACAACACGGACAGTACAGCCAGTCGCTATGGGACCAGACGGGTT
 GCCTGTGGATGCTTCATCAGTTTCTAACAACTATATCCAGACTTTGGGTCGTGATTTCCGCAAGAATGGC
 AATGGGGGACCTGGTCCCTATGTGGGGCAAGCTGGCAGTCTACCTTCTAGGAACTTCCACTACCTC
 CTGATGGTTATAGTCGCCACTATGAAGATGGTTATCCAGGTGGCAGTGATAACTATGGCAGTCTGTCCCG
 GGTGACCCGCATTGAGGAGCGGTATAGGCCAGCATGGAAGGCTACCGGGCACCTAGTAGACAGGATGTG
 TATGGGCCCAACCCAGGTTCCGGTAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCTT
 ATGGGCTAGAGGATGACCAGCGTAGTATGGGCTATGATGACCTGGATTATGGTATGATGTCTGATTATGG
 CACTGCCCGTCGGACTGGGACACCCTCTGACCTCGTCGGCGCCTCAGGAGCTATGAAGACATGATTGGT
 GAGGAGGTGCCATCGGATCAATACTACTGGGCTCCTTTGGCCAGCATGAGCGAGGAAGTTTAGCAAGCT
 TGGATAGCCTGCGCAAAGGAGGGCCTCCACCTCCTAATTGGAGACAGCCAGAGCTGCCAGAGGTGATCGC
 CATGCTTGGATTCCGCTTGGGTGCTGTCAAGTCCAATGCAGCTGCATACTGCAACACTTATGCTACCGC
 AATGACAAGGTGAAGACTGACGTGCGGAAGCTCAAGGGCATCCCAGTACTGGTGGGATTGTTAGACCATC
 CAAAAAGGAAGTGACCTTGGAGCCTGTGGAGCTCTCAAGAATATCTCTTTTGGACGTGACCAGGATAA
 CAAGATTGCCATAAAAACTGTGATGGTGTGCCTGCCCTTGTGCGATTGCTTCGAAAGGCTCGTGATATG
 GACCTTACTGAAGTTATTACCGAACCTGTGGAATCTTTCATCCCATGACTCAATCAAAATGGAGATTG
 TGGACCATGACTGCATGCCTTGACAGATGAAGTATCATTCTCATTCTGGTTGGGAGCGGGAACCTAA
 TGAAGACTGTAAGCCACGCCATATTGAGTGGGAATCGGTGCTCACCAACACAGCTGGCTGCCTTAGGAAT
 GTAAGCTCAGAGAGGAGTGAAGCTCGCCGAAACTTCGGAATGTGATGGTTAGTTGATGCCCTCATT
 TCATTGTTAGGCTGAGATTGGCAGAAGGATTAGACAGCAAGCTTGTAGAGAACTGTGTTTGCCTTCT
 TCGGAACTTATCATATCAAGTTACCGGAGATCCCACAGGCAGAGCGTTACCAAGAGGCAGCTCCCAAT
 GTTGCCAAACAATACTGGGCCACATGCTGCCAGTTGCTTTGGGGCCAAGAAGGGCAAGGGAAAAAACCTA
 TAGAGGATCCAGCAAACGATACAGTGGATTTCCCTAAAAGAACAGTCCAGCTCGAGGCTATGAGCTCTT
 ATTTACGCCAGAGGTGGTTCCGATATACATCTCACTTCTTAAGGAGAGCAAGACTCCTGCCATCTAGAA
 GCCTCAGCTGGAGCTATCCAGAACTTGTGTGCTGGGCGCTGGACGTATGGTCGATACATCCGCTCTGCTC
 TGCGTCAAGAGAAGGCTCTTTCTGCCATAGCTGACCTCCTGACTAATGAACATGAACGGGTGGTAAAGC
 TGCATCTGGAGCACTGAGAACTGGCTGTGGATGCTCGCAACAAAGAATTAATTGGTAAACATGCTATT
 CCTAACTTGGTAAAGAATCTGCCAGGAGGACAGCAGAACTCCTTGGAAATTTCTGAGGACACTGTCA
 TCTCTATTTTGAACACTATCAACGAGGTTATCGCTGAGAACTTGGAGGCTGCCAAAAAGCTTCGAGAGAC
 ACAGGGTATTGAGAAGCTGGTGTGATCAACAAATCAGGGAACCGCTCAGAAAAAGAAAGTTTCGAGCAGCA
 GCACTTGTATTACAGACAATCTGGGGATATAAGGAACTGCGGAAGCCACTGGAAGAAAGGATGGAAGA
 AATCAGACTTTAGGTGAATCTAAACAATGCTTCCGAAAGCCAGAGCAGTCATTATGATGATAGTAC
 TCTCCCTCTCATTGACCGGAACCAAAATCAGATAAAGAACTGATCGGGAAGAAATTCAGATGAGCAAT
 ATGGGATCAAACAAAACTACTAGATAAACAATTTCCACACCAATGAGAGAGGAGACCACAATAGAA
 CACTGGATCGATCGGGGATCTAGGCGACATGGAGCCATTGAAGGGAACAACACCCTTGATGAGAAGAT
 T

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

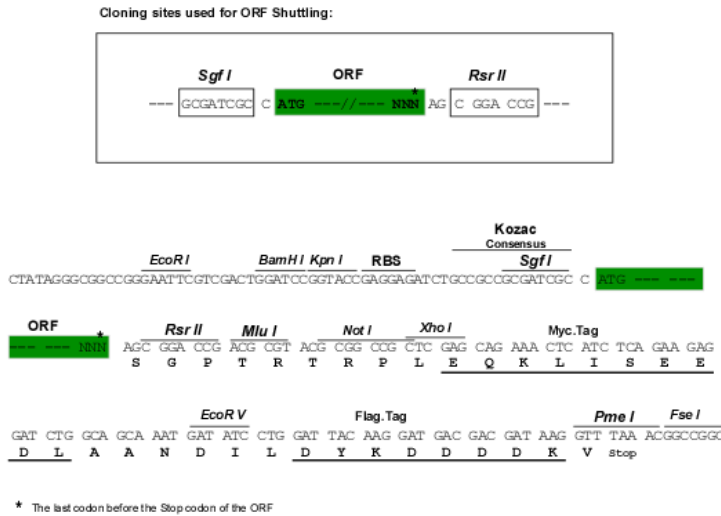
Protein Sequence: >RC222971 protein sequence
 Red=Cloning site Green=Tags(s)

XWTTQRWSRPPASWPL*RNKRPSLRS*PGRWRRNGATSRRSWNASGSHHKMPTHSWPTAHSAPAGIRTAGL
 WAMLTLDKDRNFQI*NSTDPRITVTFYIAPSPGCRSRGRLWRPTRRRILREPCL*SLWRPQMMGPLGAQRP
 RSRK**RL*QHGGYSQSLWDQTGCLWMLHQFLTTISRLWVVISARMAMGDLVPMWGKLALLPFLGTSTTL
 LMVIVATMKMVIQVAVITMAVCPG*PALRSGIGPAWKATGHLVDRMCMGPNPRFG*VGAAWICIAFIQSL
 MG*RMTSVVWAMMTWIMV*CLIMALPVGLGHPLTLVGASGAMKT*LVRRCRINTTGLLWPSMSEEV*QA
 WIACAKEGLHLLIGDSQSCQR*SPCLDSAWVLSSPMQLHTCNTYATAMTR*RLTCGSSRASQYWWD*TI
 PKRKCTLEPVELSRISLLDVTRITRLP*KTVMVCLPLCDCFERLVIWTLKLLPEPCGIFHPMTQSKWRL
 WTMHCOMP*QMK*SFLILVSGNLMKTVSHAILSGNRCSPQLAALGM*AQRGVKLAGNFGVMV*LMPSF
 SLFRLRLGRRIQTASL*RTVFAFFGTYHIKFTGRSHRQSVTKRQLPMLPTILGHMLPVALGPRRAKGNL
 *RIQQTIQWISLKERVQLEAMSSYFSQRWFGYTSFLRRARLLPS*KPQLELSRTCVLGAGRMVDSALL
 CVKRRFLP*LTS*LMNMNGW*KLHLEH*ETWLWMLATKN*L VNMLFLTW*RICQEDSRTPGLISLRTLS
 SLF*TLSTRLSLRTWRLPKSFERHRVLRWC*STNQGT AQKKKFEQQLYYRQSGDIRNCGSHWKKKDG
 NQTFR*I*TMLPEARAVIHMIVLSLSLTGTKNQIRNLIGKKFR*AIWDQTQNH*ITTIPHQMREETTIE
 HWIDRGI*ATWSH*REQHP*CRR

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

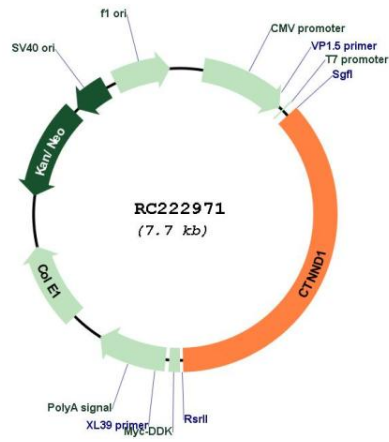


ACCN: NM_001085462

ORF Size: 2799 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_001085462.1 , NP_001078931.1
RefSeq Size:	6066 bp
RefSeq ORF:	2802 bp
Locus ID:	1500
UniProt ID:	O60716
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Leukocyte transendothelial migration
MW:	104.1 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 RC222971