

Product datasheet for **SC123678**

CTNND1 (BC010501) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNND1 (BC010501) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNND1
Synonyms:	CAS; catenin (cadherin-associated protein), delta 1; catenin, delta 1; CTNND; KIAA0384; p120; P120CAS; P120CTN
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

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>OriGene sequence for BC010501 edited
GGAGCCGGGGCAGATTGTGGAGACCTACACGGAGGAGGATCCTGAGGGAGCCATGTCTGT
AGTCTCTGTGGAGACCTCAGATGATGGGACCACTCGGCGCACAGAGACCACGGTCAAGAA
AGTAGTGAAGACTGTGACAACACGGACAGTACAGCCAGTCGCTATGGGACCAGACGGGTT
GCCTGTGGATGCTTCATCAGTTTCTAACAACATATCCAGACTTTGGGTCGTGATTTCCG
CAAGAATGGCAATGGGGACCTGGTCCCTATGTGGGGCAAGCTGGCACTGCTACCCTTCC
TAGGAACCTCCACTACCCTCCTGATGGTTATAGTCGCCACTATGAAGATGGTTATCCAGG
TGGCAGTGATAACTATGGCAGTCTGTCCCGGGTGACCCGATTGAGGAGCGGTATAGGCC
CAGCATGGAAGGCTACCGGGCACCTAGTAGACAGGATGTGTATGGGCCCAACCCAGGT
TCGGGTAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCTTATGGGCTAGA
GGATGACCAGCGTAGTATGGGCTATGATGACCTGGATTATGGTATGATGTCTGATTATGG
CACTGCCCGTCGGACTGGGACACCCTCTGACCCTCGTCGGCGCCTCAGGAGCTATGAAGA
CATGATTGGTGAGGAGGTGCCATCGGATCAATACTACTGGGCTCCTTTGGCCAGCATGA
GCGAGGAAGTTTAGCAAGCTTGGATAGCCTGCGCAAAGGAGGGCCTCCACCTCCTAATTG
GAGACAGCCAGAGCTGCCAGAGGTGATCGCCATGCTTGGATTCCGCTTGGATGCTGTCAA
GTCCAATGCAGCTGCATACCTGCAACACTTATGCTACCGCAATGACAAGGTGAAGACTGA
CGTGCGGAAGCTCAAGGGCATCCCAGTACTGGTGGGATTGTTAGACCATCCCAAAAAGGA
AGTGCACCTTGGAGCCTGTGGAGCTCTCAAGAATATCTCTTTGGACGTGACCAGGATAA
CAAGATTGCCATAAAAACTGTGATGGTGTGCCTGCCCTTGTGCGATTGCTTCGAAAGGC
TCGTGATATGGACCTTACTGAAGTTATTACCGGAACCTGTGGAATCTTTCATCCCATGA
CTCAATCAAAATGGAGATTGTGGACCATGCACTGCATGCCTTGACAGATGAAGTGATCAT
TCCTCATTCTGGTTGGGAGCGGGAACCTAATGAAGACTGTAAGCCACGCCATATTGAGTG
GGAATCGGTGCTACCAACACAGCTGGCTGCCTTAGGAATGTAAGCTCAGAGAGGAGTGA
AGCTCGCCGGAACCTTCGGGAATGTGATGGTTTAGTTGATGCCCTCATTTCATTGTTCA
GGCTGAGATTGGGCAGAAGGATTAGACAGCAAGCTTGTAGAGAAGTGTGTTTGCCTTCT
TCGGAACCTATCATATCAAGTTCACCGGGAGATCCACAGGCAGAGCGTTACCAAGAGGC
AGCTCCCAATGTTGCCAACAATACTGGGCCACATGCTGCCAGTTGCTTTGGGGCCAAAGAA
GGGCAAAGGGAAAAAACCTATAGAGGATCCAGCAAACGATACAGTGGATTCCCTAAAAG
AACGAGTCCAGCTCGAGGCTATGAGCTCTATTTAGCCAGAGGTGGTTCGGATACAT
CTCACTTCTTAAGGAGAGCAAGACTCCTGCCATCCTAGAAGCCTCAGCTGGAGCTATCCA
GAACTTGTGTGCTGGGCGCTGGACGTATGGTCGATACATCCGCTCTGCTCTGCGTCAAGA
GAAGGCTCTTTCTGCCATAGCTGACCTCCTGACTAATGAACATGAACGGGTGGTGAAGC
TGATCTGGAGCACTGAGAAACCTGGCTGTGGATGCTCGCAACAAGAATTAATTGGTAA
ACATGCTATTCTAACTTGGTAAAGAACTGCCAGGAGGACAGCAGAAGTCTCTTGGAA
TTTCTCTGAGGACACTGTCTCTATTTTGAACACTATCAACGAGGTTATCGCTGAGAA
CTTGGAGGCTGCCAAAAGCTTCGAGAGACACAGGGTATTGAGAAGCTGGTGTGATCAA
CAAATCAGGGAACCGCTCAGAAAAAGAAGTTCGAGCAGCAGCACTTGTATTACAGACAAT
CTGGGGATATAAGGAAGTGGGAAAGCCACTGGAAAAAGAAGGATGGAAGAAATCAGACTT
TCAGTGAAATCTAAACAATGCTTCCCGAAGCCAGAGCAGTCATTATATGATGATAGTAC
TCTCCCTCTCATTGACCGGAACCAAAAATCAGATAAGAAACCTGATCGGGAAGAAATTC
GATGAGCAATATGGGATCAAACAAAACTACTAGATAACAACATTTCCACCAAAATGA
GAGAGGAGACCACAATAAAACACTGGATCGATCGGGGGATCTAGGCGACATGGAGCCATT
GAAGGGAAACAACCCCTTGTGTCAGAAGATTTAGCACCCTATCTCCGTTCCATCTGGGC
TTATATGTACTTTTATTTTTGGTGGTGAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC010501 unedited TCAAATATTTGTAATACGACTCACTATTAGGGCGGCCGCGATTCCCGGGATATCGTCGAC CCACGCGTCCGGGAGCCGGGGCAGATTGTGGAGACCTACACGGAGGAGATCCTGAGGGA GCCATGTCTGTAGTCTCTGTGGAGACCTCAGATGATGGGACCACTCGGCGCACAGAGACC ACGGTCAAGAAAGTAGTGAAGACTGTGACAACACGGACAGTACAGCCAGTCGCTATGGGA CCAGACGGGTTGCCTGTGGATGCTTCATCAGTTTCTAACAACTATATCCAGACTTTGGGT CGTGATTTCCGCAAGAATGGCAATGGGGACCTGGTCCCTATGTGGGGCAAGCTGGCACT GCTACCCTTCTAGGAACTTCCACTACCCTCCTGATGGTTATAGTCGCCACTATGAAGAT GGTTATCCAGGTGGCAGTGATAACTATGGCAGTCTGTCCCGGGTACCCGCATTGAGGAG CGGTATAGGCCAGCATGGAAGGCTACCGGGCACCTAGTAGACAGGATGTGTATGGGCC CAACCCAGGTTCCGGTAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCT TATGGGCTAGAGGATGACCAGCGTAGTATGGGCTATGATGACCTGGATTATGGTATGATG TCTGATTATGGCACTGCCCCGTCGACTGGGACACCCTCTGACCCTCGTTCGCGCCTCAAG AGCTATGAAGACATGATTGGTGAGGAGGTGCCATCGGATCAATACTACTGGGCTCTTTT GGCCAGCATGAGCGAGGGAAGTTAAGCAGCTTGGATAGCCTGCCAAAAGAGGCCTTC ACCTCCTAATTGGAGACAGCCGAGCTGCCCGAAGGTGATCGCCATGCCTGGTATTTCGC CTTGAATGCTGTCAAGGTCAATGGAACCTGNTACCTGAAAACCTATGCTACCCAATGG
Restriction Sites:	Please inquire
ACCN:	BC010501
Insert Size:	2612 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:	<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:	BC010501.1 , AAH10501.2
RefSeq Size:	2612 bp
Locus ID:	1500
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Leukocyte transendothelial migration

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]