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Product datasheet for SC119310

CTNND1 (NM_001331) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNND1 (NM_001331) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNND1
Synonyms:	BCDS2; CAS; CTNND; p120; p120(CAS); p120(CTN); P120CAS; P120CTN
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_001331, the custom clone sequence may differ by one or more nucleotides

ATGGACGACTCAGAGGTGGAGTCGACCGCCAGCATCTTGGCCTCTGTGAAGGAACAAGAGGCCCAGTTTG
AGAAGCTGACCCGGGCGCTGGAGGAGGAACGGCGCCACGTCTCGGCGCAGCTGGAACGCGTCCGGGTCTC
ACCACAAGATGCCAACCCACTCATGGCCAACGGCACACTCACCCGCCGGCATCAGAACGGCCGGTTTGTG
GGCGATGCTGACCTTGAAAGACAGAAATTTTCAGATTTGAAACTCAACGGACCCCAGGATCACAGTCACC
TTCTATATAGCACCATCCCCAGGATGCAGGAGCCGGGGCAGATTGTGGAGACCTACACGGAGGAGGATCC
TGAGGGAGCCATGTCTGTAGTCTCTGTGGAGACCTCAGATGATGGGACCACTCGGCGCACAGAGACCACG
GTCAAGAAAGTAGTGAAGACTGTGACAACACGGACAGTACAGCCAGTCGCTATGGGACCAGACGGGTTGC
CTGTGGATGCTTCATCAGTTTCTAACAACTATATCCAGACTTTGGGTCGTGATTTCCGCAAGAATGGCAA
TGGGGGACCTGGTCCCTATGTGGGGCAAGCTGGCACTGCTACCCTTCCTAGGAACTTCCACTACCCTCCT
GATGGTTATAGTCGCCACTATGAAGATGGTTATCCAGGTGGCAGTGATAACTATGGCAGTCTGTCCCGGG
TGACCCGCATTGAGGAGCGGTATAGGCCCAGCATGGAAGGCTACCGGGCACCTAGTAGACAGGATGTGTA
TGGGCCCCAACCCCAGGTTCGGGTAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCTTAT
GGGCTAGAGGATGACCAGCGTAGTATGGGCTATGATGACCTGGATTATGGTATGATGTCTGATTATGGCA
CTGCCCGTCGGACTGGGACACCCTCTGACCCTCGTCGGCGCCTCAGGAGCTATGAAGACATGATTGGTGA
GGAGGTGCCATCGGATCAATACTACTGGGCTCCTTTGGCCCAGCATGAGCGAGGAAGTTTAGCAAGCTTG
GATAGCCTGCGCAAAGGAGGGCCTCCACCTCCTAATTGGAGACAGCCAGAGCTGCCAGAGGTGATCGCCA
TGCTTGGATTCCGCTTGGATGCTGTCAAGTCCAATGCAGCTGCATACCTGCAACACTTATGCTACCGCAA
TGACAAGGTGAAGACTGACGTGCGGAAGCTCAAGGGCATCCCAGTACTGGTGGGATTGTTAGACCATCCC
AAAAAGGAAGTGCACCTTGGAGCCTGTGGAGCTCTCAAGAATATCTCTTTTGGACGTGACCAGGATAACA
AGATTGCCATAAAAAACTGTGATGGTGTGCCTGCCCTTGTGCGATTGCTTCGAAAGGCTCGTGATATGGA
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GACCATGCACTGCATGCCTTGACAGATGAAGTGATCATTCCTCATTCTGGTTGGGAGCGGGAACCTAATG
AAGACTGTAAGCCACGCCATATTGAGTGGGAATCGGTGCTCACCAACACAGCTGGCTGCCTTAGGAATGT
AAGCTCAGAGAGGAGTGAAGCTCGCCGGAAACTTCGGGAATGTGATGGTTTAGTTGATGCCCTCATTTTC
ATTGTTCAGGCTGAGATTGGGCAGAAGGATTCAGACAGCAAGCTTGTAGAGAACTGTGTTTGCCTTCTTC
GGAACTTATCATATCAAGTTCACCGGGAGATCCCACAGGCAGAGCGTTACCAAGAGGCAGCTCCCAATGT
TGCCAACAATACTGGGCCACATGCTGCCAGTTGCTTTGGGGCCAAGAAGGGCAAAGGGAAAAAACCTATA
GAGGATCCAGCAAACGATACAGTGGATTTCCCTAAAAGAACGAGTCCAGCTCGAGGCTATGAGCTCTTAT
TTCAGCCAGAGGTGGTTCGGATATACATCTCACTTCTTAAGGAGAGCAAGACTCCTGCCATCCTAGAAGC
CTCAGCTGGAGCTATCCAGAACTTGTGTGCTGGGCGCTGGACGTATGGTCGATACATCCGCTCTGCTCTG
CGTCAAGAGAAGGCTCTTTCTGCCATAGCTGACCTCCTGACTAATGAACATGAACGGGTGGTGAAAGCTG
CATCTGGAGCACTGAGAAACCTGGCTGTGGATGCTCGCAACAAAGAATTAATTGGTAAACATGCTATTCC
TAACTTGGTAAAGAATCTGCCAGGAGGACAGCAGAACTCCTCTTGGAATTTCTCTGAGGACACTGTCATC
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AGGGTATTGAGAAGCTGGTGTTGATCAACAAATCAGGGAACCGCTCAGAAAAAGAAGTTCGAGCAGCAGC
ACTTGTATTACAGACAATCTGGGGATATAAGGAACTGCGGAAGCCACTGGAAAAAGAAGGATGGAAGAAA
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TCCCTCTCATTGACCGGAACCAAAAATCAGATAACAACTATTCCACACCAAATGAGAGAGGAGACCACAA
TAGAACACTGGATCGATCGGGGGATCTAGGCGACATGGAGCCATTGAAGGGAACAACACCCTTGATGCAG
GACGAGGGGCAGGAATCTCTGGAGGAAGAGTTGGATGTGTTGGTTTTGGATGATGAGGGGGGCCAAGTGT
CTTACCCCTCCATGCAGAAGATTTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001331 unedited
GTCACATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGTTGGATCTGA
GGGGGAAAAAAAAAGAGAGGGAGAGAGAGAGAAAGAAGAGCAGGAAAGATCCCGAAAGGA
GGAAGAGGTGGCGAAAAATCAACTGCCCTGCTGGATTTGTCTTTCTCAGCACCTTGGCGA
AGCCTTGGGTTTCTTTCTTAAAGGACTGATTTTTAGAACTCCACATTTGAGCTCTCTCCT
TCCTGCTTCCTCCTTGCTGTGGTGGCTGGGATGCTTCTTCCATGATTTTTTGAATCTAGA
CTGGGCTGTTCTCTGTGTTAAACCAATCAGTTGCGACCTTCTCTTAACAGTGTGAAGTGA
GGGGGTCTCTCTCCCTCCTTCTCCTTCCTCTGTGATTCACCTTCCTTTTTACCCTGCCCT
GCGGCGGCTCCGCCCCTTACCTTCATGGACGACTCAGAGGTGGAGTCGACCGCCAGCATC
TTGGCCTCTGTGAAGGAACAAGAGGCCCAGTTTGAGAAGCTGACCCGGGCGCTGGAGGAG
GAACGGCGCCACGTCTCGGCGCAGCTGGAACGCGTCCGGGTCTCACCACAAGATGCCAAC
CCACTCATGGCCAACGGCACACTCACCCGCCGGCATCAGAACGGCCGGTTTGTGGGCGAT
GCTGACCTTGAAAGACAGAAATTNTCAGATTTGAAACTCAACGGACCCCAGGATCACAGT
CACCTTCTATATAGCACCATCCCCAGGATGCANGAGCCGGNGCAGATTGTGGAGACCTAC
ACGGAGGAGGATCCTGAGGAGCCATGTCTGTAGTCTCTGTGGAGACTCAGATGATTGGAC
CACTCGGCGCCAGAGACCACGTCAGGAAATAGTGAAGACTGTGACACACGGACAGTACAC
CAGTCGCTTGGGACAGACG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001331 unedited
NNTTTGACTCTGNACCCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTT
TTTTAACACTTTAAAAACTTTATTTATATAAAAAACTCATTTGTTTTTAAAAGCTTTAAC
AAGACAGAAAGAAAAGAGAAAAGGTATGGAGCAAAACACAAGCCCCTTAGTAGTGTTCGG
TGGGAAGGGGGGATTTTTGGTTCTCTGGAATTGAATGTTTAGTGTTTTTTATAAACAAAA
GAGAGAAAAAAAAGTTAAAGGTCCCCAAAAGCCCACGGCTGTTCTATTACCCACACCCCA
CCGAGAAAAAAGAGCACCAGGAAAAGAGCAGAAGAGGACAAGAGAGATCAAGAGTGGAGC
CAGGTCTGGATGGGGCAATTTTCCCTGTGCAGGGTGCTCTTAGGGTCACAGAGAGCAAAA
GGCTCCTTTTTGCCAAAAAAGGTAAATGAAAGTGGGAAGAAATGGGAAGGGGGAAAAGGG
TAAATAAAAAATTTTAATGCACGAGTAAAGGGGGTGGTGGGGTTGTGCACTTTTCTCCTA
CCCCATAGCCTCAATATATAAGGGAAGGGGAAGAGAGGGATAAGGAACTCCAGTTGCATG
GAACAGAGCTTTTAGATTAGATTAAGGGGANGTAGAAGGCAAATAAGGAAAAGGATTAGA
AATAATAATAATAATCAACCCGCATAGCAGCTGATTTCTCTAGCCCAACCTGCTAATTAA
TATATGCTAAAGTGAGAGGGGGCAATACTGGAGGGAGGGGAAAAATGGGGGAAAACCACT
TCCCTGTAACTCCTTCAGAGATGATGGAAAAATCCTGGGCACTTAAGGAGTAAGGAGTCA
CACCACTCACTTTTCTTACAGGCCTTACTTTGAAATTCATCAGAATAGGAATTTTTTGCA
AATCCCACCCATTTGCTGTTGAACAAAAGCTGCTTTGACTGGAATCATGGCTTA

Restriction Sites: NotI-NotI

ACCN: NM_001331

Insert Size: 5650 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:	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_001331.1, NP_001322.1
RefSeq Size:	6282 bp
RefSeq ORF:	6282 bp
Locus ID:	1500
UniProt ID:	O60716
Cytogenetics:	11q12.1
Domains:	Armadillo_seg
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] Transcript Variant: This variant (3) lacks two alternate in-frame segments in the coding region, compared to variant 1. The encoded protein (isoform 1B) is shorter than isoform 1ABC. Another name for this variant is hp120ctn-1B.