

Product datasheet for **SC316281**

CTNND1 (NM_001085461) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNND1 (NM_001085461) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNND1
Synonyms:	BCDS2; CAS; CTNND; p120; p120(CAS); p120(CTN); P120CAS; P120CTN
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001085461, the custom clone sequence may differ by one or more nucleotides

```

ATGGACGACTCAGAGGTGGAGTCGACCGCCAGCATCTTGGCCTCTGTGAAGGAACAAGAG
GCCAGTTTGAGAAGCTGACCCGGGCGCTGGAGGAGGAACGGCGCCACGTCTCGGCGCAG
CTGGAACGCGTCCGGTCTCACCACAAGATGCCAACCCACTCATGGCCAACGGCACACTC
ACCCGCCGGCATCAGAACGGCCGGTTTGTGGCGATGCTGACCTTGAAAGACAGAATTT
TCAGATTTGAAACTCAACGGACCCAGGATCACAGTCACCTTCTATATAGCACCATCCCC
AGGATGCAGGAGCCGGGCAGATTGTGGAGACCTACACGGAGGAGGATCCTGAGGGAGCC
ATGTCTGTAGTCTCTGTGGAGACCTCAGATGATGGGACCACTCGGCGCACAGAGACCAG
GTCAAGAAAGTAGTGAAGACTGTGACAACACGGACAGTACAGCCAGTCGTATGGGACCA
GACGGGTTGCCTGTGGATGCTTCATCAGTTTCTAACAATATATCCAGACTTTGGGTCGT
GATTTCCGCAAGAATGGCAATGGGGACCTGGTCCCTATGTGGGCAAGCTGGCACTGCT
ACCCTTCTAGGAACTTCCACTACCCTCCTGATGGTTATAGTCGCCACTATGAAGATGGT
TATCCAGGTGGCAGTGATAACTATGGCAGTCTGTCCCGGTGACCCGCATTGAGGAGCGG
TATAGGCCAGCATGGAAGGCTACCGGCACCTAGTAGACAGGATGTGTATGGGCCCCAA
CCCCAGGTTCCGGTAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCTTAT
GGGCTAGAGGATGACCAGCGTAGTATGGGCTATGATGACCTGGATTATGGTATGATGCT
GATTATGGCACTGCCCGTCGGACTGGGACACCCTGACCCTCGTCGGCGCCTCAGGAGC
TATGAAGACATGATTGGTGAGGAGGTGCCATCGGATCAATACTACTGGGCTCCTTTGGCC
CAGCATGAGCGAGGAAGTTTAGCAAGCTTGATAGCCTGCGCAAAGGAGGGCCTCCACCT
CCTAATTGGAGACAGCCAGAGCTGCCAGAGGTGATCGCCATGCTTGGATTCCGCTTGGAT
GCTGTCAAGTCCAATGCAGCTGCATACCTGCAACACTTATGCTACCGCAATGACAAGTG
AAGACTGACGTGCGGAAGCTCAAGGGCATCCCAGTACTGGTGGGATTGTTAGACCATCCC
AAAAAGGAAGTGACCTTGGAGCCTGTGGAGCTCTCAAGAATATCTCTTTTGGACGTGAC
CAGGATAACAAGATTGCCATAAAAAACTGTGATGGTGTGCTGCCTTGTGCGATTGCTT
CGAAAGGCTCGTGATATGGACCTTACTGAAGTTATTACCGGAACCCTGTGGAATCTTTCA
TCCCATGACTCAATCAAAATGGAGATTGTGGACCATGCACTGCATGCCTTGACAGATGAA
GTGATCATTCTCATTCTGGTTGGGAGCGGGAACCTAATGAAGACTGTAAGCCACGCCAT
ATTGAGTGGGAATCGGTGCTCACCACACAGCTGGCTGCCTTAGGAATGTAAGCTCAGAG
AGGAGTGAAGCTCGCCGAAACTTCGGGAATGTGATGGTTTAGTTGATGCCCTCATTTTC
ATTGTTCAAGGCTGAGATTGGGCAGAAGGATTAGACAGCAAGCTTGTAGAGAAGTGTGT
TGCTTCTTCGGAACCTATCATATCAAGTTCACCGGGAGATCCCACAGGCAGAGCGTTAC
CAAGAGGCAGCTCCCAATGTTGCCAACAATACTGGGCCACATGCTGCCAGTTGCTTTGGG
GCCAAGAAGGGCAAAGGGAAAAAACCTATAGAGGATCCAGCAAACGATACAGTGGATTTCC
CCTAAAAGAACGAGTCCAGCTCGAGGCTATGAGCTCTTATTTACGCCAGAGGTGGTTCCG
ATATACATCTCACTTCTTAAGGAGAGCAAGACTCCTGCCATCCTAGAAGCCTCAGCTGGA
GCTATCCAGAACTTGTGTGCTGGGCGCTGGACGTATGGTCGATACATCCGCTCTGCTCTG
CGTCAAGAGAAGGCTCTTTCTGCCATAGCTGACCTCCTGACTAATGAACATGAACGGGTG
GTGAAAGCTGCATCTGGAGCACTGAGAAACCTGGCTGTGGATGCTCGCAACAAAGAATTA
ATTGGTAAACATGCTATTCCTAACTTGGTAAAGAATCTGCCAGGAGGACAGCAGAATCC
TCTTGGAATTTCTCTGAGGACACTGTCATCTCTATTTTGAACACTATCAACGAGGTTATC
GCTGAGAACTTGGAGGCTGCCAAAAAGCTTCGAGAGACACAGGGTATTGAGAAGCTGGTG
TTGATCAACAAATCAGGGAACCGCTCAGAAAAAGAAGTTCGAGCAGCAGCACTTGTATTA
CAGACAATCTGGGGATATAAGGAACTGCGGAAGCCACTGGAAAAAGAAGGATGGAAGAA
TCAGACTTTCAGGTGAATCTAACAATGCTTCCCGAAGCCAGAGCAGTCATTCATATGAT
GATAGTACTCTCCCTCTCATTGACCGGAACCAAAAATCAGATAAGAAACCTGATCGGGAA
GAAATTCAGATGAGCAATATGGGATCAAACACAAAATCACTAGATAACAACCTATCCACA
CCAAATGAGAGAGGAGACCACAATAGAACACTGGATCGATCGGGGATCTAGGCGACATG
GAGCCATTGAAGGGAACACACCCTTGATGCAGAAGATT

```

Restriction Sites: Please inquire

ACCN:	NM_001085461
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001085461.1 , NP_001078930.1
RefSeq Size:	6258 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

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 (5) lacks two alternate in-frame segments in the coding region, compared to variant 1. This variant shares the alternate name of hp120ctn-1A with variants 4 and 6. Variants 4, 5, and 6 encode the same protein (isoform 1A), which is shorter than isoform 1ABC.