

Product datasheet for **SC316280**

CTNND1 (NM_001085462) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNND1 (NM_001085462) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNND1
Synonyms:	BCDS2; CAS; CTNND; p120; p120(CAS); p120(CTN); P120CAS; P120CTN
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001085462, the custom clone sequence may differ by one or more nucleotides

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ATGGACGACTCAGAGGTGGAGTCGACCGCCAGCATCTTGGCCTCTGTGAAGGAACAAGAG
GCCAGTTTGAGAAGCTGACCCGGGCGCTGGAGGAGGAACGGCGCCACGTCTCGGCGCAG
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ACCCGCCGGCATCAGAACGGCCGGTTTGTGGCGATGCTGACCTTGAAAGACAGAATTT
TCAGATTTGAAACTCAACGGACCCAGGATCACAGTCACCTTCTATATAGCACCATCCCC
AGGATGCAGGAGCCGGGCGAGATTGTGGAGACCTACACGGAGGAGGATCCTGAGGGAGCC
ATGTCTGTAGTCTCTGTGGAGACCTCAGATGATGGGACCACTCGGCGCACAGAGACCAGC
GTCAAGAAAGTAGTGAAGACTGTGACAACACGGACAGTACAGCCAGTCGTATGGGACCA
GACGGGTTGCCTGTGGATGCTTCATCAGTTTCTAACAATATATCCAGACTTTGGGTCGT
GATTTCCGCAAGAATGGCAATGGGGACCTGGTCCCTATGTGGGCAAGCTGGCACTGCT
ACCCTTCTAGGAACTTCCACTACCTCCTGATGGTTATAGTCGCCACTATGAAGATGGT
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CCCCAGGTTCCGGTAGGTGGGAGCAGCGTGGATCTGCATCGCTTTCATCCAGAGCCTTAT
GGGCTAGAGGATGACCAGCGTAGTATGGGCTATGATGACCTGGATTATGGTATGATGCT
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CCTAATTGGAGACAGCCAGAGCTGCCAGAGGTGATCGCCATGCTTGGATTCCGCTTGGAT
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ATTGAGTGGGAATCGGTGCTCACCAACACAGCTGGCTGCCTTAGGAATGTAAGCTCAGAG
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GCTATCCAGAAGTGTGTGCTGGGCGCTGGACGTATGGTCGATACATCCGCTCTGCTCTG
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ATTGGTAAACATGCTATTCTAACTTGGTAAAGAATCTGCCAGGAGGACAGCAGAACTCC
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GATAGTACTCTCCCTCTCATTGACCGGAACCAAAAATCAGATAAGAAACCTGATCGGGAA
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CCAAATGAGAGAGGAGACCACAATAGAACACTGGATCGATCGGGGATCTAGGCGACATG
GAGCCATTGAAGGGAACACACCCTTGATGCAGAAGATT

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Restriction Sites: Please inquire

ACCN:	NM_001085462
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).
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:	<u>NM_001085462.1</u> , <u>NP_001078931.1</u>
RefSeq Size:	6066 bp
RefSeq ORF:	2802 bp
Locus ID:	1500
UniProt ID:	<u>O60716</u>
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome
Protein Pathways:	Adherens junction, Leukocyte transendothelial migration
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (6) uses a different splice site in the 5' UTR, lacks an alternate segment in the 5' UTR, and 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 5. Variants 4, 5, and 6 encode the same protein (isoform 1A), which is shorter than isoform 1ABC.</p>