

Product datasheet for **SC323229**

CTNNA3 (NM_001127384) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNA3 (NM_001127384) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNNA3
Synonyms:	ARVD13; VR22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

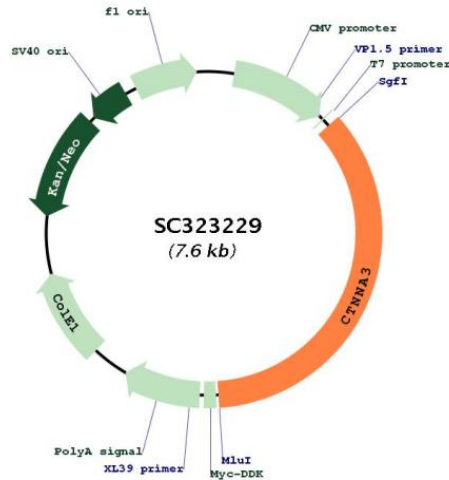


[View online »](#)

Fully Sequenced ORF: >SC323229 representing NM_001127384.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCAGCTGAAACACCAATCACATTGAATATCGATCCTCAGGATCTGCAGGTCCAAACATTCCCGTG
GAGAAGCTACTGGAGCCTCTCATAATCCAGGTTACCACACTTGTAACTGTCCCAGAACCCTTCCAGC
AGGAAAAAAGGACGTTCCAAAAAGGCCAGTGTCTTCTAGCTTCTGTGGAGGAAGCAACTTGAATTTA
TTAGACAAGGGAGAGAAGATTGCCAGGAAGCTACAGTTTTAAAGGATGAGCTTACGGCTTCACTTGAG
GAAGTTCGCAAAGAAAGTGAAGCTCTGAAAGTATCAGCTGAGAGATTTACAGATGACCCCTGTTTTCTC
CCAAAAAGGGAGGCTGTGGTTCAAGTGCCCGTGCCTTGTGGCTGCGGTGACGAGACTCCTTATCCTT
GCGGACATGATTGATGTCATGTGCCTCTTGCAACATGTGCAGCTTTTCAAAGGACATTTGAGTCTCTC
AAAAATGTTGCCAACAAATCTGACCTCCAGAAAACCTACCAGAAGCTTGGGAAGGAGCTGGAAAAATTTG
GATTATTTAGCCTTCAAACGTCAGCAGGACTTAAAATCTCCAAATCAGAGAGATGAAATTCAGGAGCC
CGAGCTTCACTGAAGGAGAACTCTCCCTCTTGCAATTTGTTTCAAGCTTGTGGAGCATTCTGAT
GTTGCTTCCCTCAAAGCAAGCAAGGACACAGTTTGTGAAGAAATTCAGAAATGCTCCTCAATGTAATTTCA
AATGCTTCACAAGGGATCCAGAATATGACAACCCACCAGAACCTCAGGCAGCAACCTGGGAAGTGCC
CTTGATGAGCTGGAGAATTTAATTGTCCTGAATCCACTCACAGTAACTGAGGAGGAAATACGACCATCA
CTAGAGAAACGCCTTGAAGCCATTATCAGTGGGCTGCTCTGCTGGCGGATTCTTCATGTACGAGGGAC
TTACACCGAGAGCGGATTATCGCAGAATGCAACGCCATTGCCAGGCTCTTCAGGATCTGCTTTCAGAG
TACATGAACAACGCTGGAAAAAAGAAAGGAGTAAACCTGAATATTGCTTTAGACAACATGTGTAAG
AAGACAAGAGACCTTCGCAGACAGCTCCGCAAGGCTATTATAGATCATGTGCAGACTCTTCTCTGGAT
ACGACAGTCCCTCTTTGGTTCTCATTGAAGCTGTAAGAATGGCCGGGAAAAGGAAATAAAGAATAT
GCTGCGATATTTTATGAACACACCAGCAGGCTTGTAGAGGTGGCAAAATCTTGTGTTCCATGTCAACA
AATGAAGATGGAATTAATTTGCAAAATGTCAGCCAATCATTGGAACCTTGTGTCCACAGATTATT
AATGCTGCACTTGCTTTGGCTGCAAGACCCAAAAGTCAAGCGGTCAAAAACACCATGGAATGTACAAG
CGTACATGGGAGAATCATATACATGTCCTCACTGAAGCCGTAGATGACATTACAAGCATTGATGACTTC
CTTGCTGTATCTGAAAGCCATATCTTGGAAAGTGTCAACAAGTGTATCATAGCCTTAAGAGACCAGGAT
GCTGATAATTTAGACCGTCTGCGGGTGTATCAGAGGCCGGGCAGCAAGAGTTGCTCACATCGTCAGG
GGTGAAATGGACAGTTACGAGCCAGGGCTTACACGGAAGGTGTAAAGAGAAATGTTAACTTCTTACA
AGTACTGTAATTCCTGAATTTGTAACACAAGTGAATGTTGCCTTGAAGCCTTAAGCAAAAGCTCATTG
AATGTGTTGGATGATAATCAATTTGTGGACATCTCAAAGAAGATCTATGATACAATTCATGATATCAGA
TGTTCACTCATGATGATTTCGGACCCAGAGGAACTGGAGGATGTTTCTGACCTTGAAGAGGAACACGAG
GTCCCGAGTCACACCAGCATTACAGCCGAAGGGAAAACCTGATAGGGCTAAGATGACTCAACTGCCTGAG
GCAGAAAAAGAAAAGATTGCTGAGCAAGTTGCTGATTTCAAGAAAGTAAAGAGTAAAGCTGGATGCTGAG
ATTGAGATATGGGATGATACAAGCAACGACATCATTGTTCTGGCCAAGAACATGTGTATGATCATGATG
GAGATGACAGACTTCACTAGGGGCAAAGGACCACTAAAGCATACAACCTGATGTGATCTATGCAGCGAAA
ATGATATCAGAATCAGGATCAAGGATGGATGTCCTTGTCTGCGCAGATTGCTAATCAGTCCCAGATCCA
TCTTGTAACAGGACTTGTGGCTACCTGGAACAGATTAAGTTCTACTCCCAACTGAAAATCTGC
AGTCAAGTTAAAGCTGAGATCCAGAACCTGGGAGGAGAGCTCATCATGTCAGCTTTGGACAGTGTACA
TCCTGATCCAAGCAGCCAAAAATTTAATGAATGCTGTAGTGCAAAACAGTGAAAATGCTTACATTGCC
TCAACCAAGATCATCCGAATCCAGAGTCTGCTGGGCCCGGCACCCAGTTGTGATGTGGAGAATGAAG
GCTCCTGCAAAAAACCTTGATTAAGAGAGAGAAGCCAGAGGAAACGTGTGCAGCTGTGAGACGAGGC
TCAGCAAAAGAAAAATCCATCCATTGCAAGTCAATGAGTGAATTTAGAGGAAGACAAATCTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001127384

Insert Size: 2688 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).

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:

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_001127384.2](#)

RefSeq Size: 10663 bp

RefSeq ORF: 2688 bp

Locus ID: 29119

UniProt ID: [Q9UI47](#)

Cytogenetics: 10q21.3

Protein Pathways:	Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Endometrial cancer, Leukocyte transendothelial migration, Pathways in cancer, Tight junction
MW:	99.8 kDa
Gene Summary:	<p>This gene encodes a protein that belongs to the vinculin/alpha-catenin family. The encoded protein plays a role in cell-cell adhesion in muscle cells. Mutations in this gene are associated with arrhythmogenic right ventricular dysplasia, familial 13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>