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Product datasheet for SC115321

CTNNA3 (NM_013266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNA3 (NM_013266) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNNA3
Synonyms:	ARVD13; VR22
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_013266, the custom clone sequence may differ by one or more nucleotides

ATGTCAGCTGAAACACCAATCACATTGAATATCGATCCTCAGGATCTGCAGGTCCAAACATTCACCGTGG
AGAAGCTACTGGAGCCTCTCATAATCCAGGTTACCACACTTGTAAACTGTCCCCAGAACCCTTCCAGCAG
GAAAAAAGGACGTTCGAAAAGAGCCAGTGTCCTTCTAGCTTCTGTGGAGGAAGCAACTTGGAATTTATTA
GACAAGGGAGAGAAGATTGCCCAGGAAGCTACAGTTTTAAAGGATGAGCTTACGGCTTCACTTGAGGAAG
TTCGCAAAGAAAGTGAAGCTCTGAAAGTATCAGCTGAGAGATTTACAGATGACCCCTGTTTTCTCCCAAA
AAGGGAGGCTGTGGTTCAAGCTGCCCGTGCCTTGCTGGCTGCGGTGACGAGACTCCTTATCCTTGCGGAC
ATGATTGATGTCATGTGCCTCTTGCAACATGTGTCAGCTTTTCAAAGGACATTTGAGTCTCTCAAAAATG
TTGCCAACAAATCTGACCTCCAGAAAACCTACCAGAAGCTTGGGAAGGAGCTGGAAAATTTGGATTATTT
AGCCTTCAAACGTCAGCAGGACTTAAAATCTCCAAATCAGAGAGATGAAATTGCAGGAGCCCGAGCTTCA
CTGAAGGAGAACTCTCCCCTCTTGCATTCAATTTGTTCAGCTTGTTTGGAGCATTCTGATGTTGCTTCCC
TCAAAGCAAGCAAGGACACAGTTTGTGAAGAAATTCAGAATGCTCTCAATGTAATTTCAAATGCTTCACA
AGGGATCCAGAATATGACAACCCCACCAGAACCTCAGGCAGCAACCCTGGGAAGTGCCCTTGATGAGCTG
GAGAATTTAATTGTCCTGAATCCACTCACAGTAACTGAGGAGGAAATACGACCATCACTAGAGAAACGCC
TTGAAGCCATTATCAGTGGGGCTGCTCTGCTGGCGGATTCTTCATGTACGAGGGACTTACACCGAGAGCG
GATTATCGCAGAATGCAACGCCATTCGCCAGGCTCTTCAGGATCTGCTTTCAGAGTACATGAACAACGCT
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GCAGACAGCTCCGCAAGGCTATTATAGATCATGTGTCAGACTCTTTCCTGGATACGACAGTCCCTCTTTT
GGTTCTCATTGAAGCTGCTAAGAATGGCCGGGAAAAGGAAATAAAAGAATATGCTGCGATATTTCATGAA
CACACCAGCAGGCTTGTAGAGGTGGCAAATCTTGCTTGTTCCATGTCAACAAATGAAGATGGAATTAAAA
TTGTCAAAATTGCAGCCAATCATTTGGAAACCTTGTGTCCACAGATTATTAATGCTGCACTTGCTTTGGC
TGCAAGACCCAAAAGTCAAGCGGTCAAAAACACCATGGAAATGTACAAGCGTACATGGGAGAATCATATA
CATGTCCTCACTGAAGCCGTAGATGACATTACAAGCATTGATGACTTCCTTGCTGTATCTGAAAGCCATA
TCTTGGAAGATGTCAACAAGTGTATCATAGCCTTAAGAGACCAGGATGCTGATAATTTAGACCGTGCTGC
GGGTGCTATCAGAGGCCGGGCAGCAAGAGTTGCTCACATCGTCACGGGTGAAATGGACAGTTACGAGCCA
GGGGCTTACACGGAAGGTGTAATGAGAAATGTTAACTTCCTTACAAGTACTGTAATTCCTGAATTTGTAA
CACAAGTGAATGTTGCCTTGGAAGCCTTAAGCAAAAGCTCATTGAATGTGTTGGATGATAATCAATTTGT
GGACATCTCAAAGAAGATCTATGATACAATTCATGATATCAGATGTTCAGTCATGATGATTCGGACCCCA
GAGGAACTGGAGGATGTTTCTGACCTTGAAGAGGAACACGAGGTCCGCAGTCACACCAGCATTCAGACCG
AAGGGAAAACTGATAGGGCTAAGATGACTCAACTGCCTGAGGCAGAAAAAGAAAAGATTGCTGAGCAAGT
TGCTGATTTCAAGAAAGTAAAGAGTAAGCTGGATGCTGAGATTGAGATATGGGATGATACAAGCAACGAC
ATCATTGTTCTGGCCAAGAACATGTGTATGATCATGATGGAGATGACAGACTTCACTAGGGGCAAAGGAC
CACTAAAGCATACAACTGATGTGATCTATGCAGCGAAAATGATATCAGAATCAGGATCAAGGATGGATGT
CCTTGCTCGGCAGATTGCTAATCAGTGCCCAGATCCATCTTGTAAACAGGACTTGTTGGCCTACCTGGAA
CAGATTAAGTTCTACTCCCACCAACTGAAAATCTGCAGTCAAGTTAAAGCTGAGATCCAGAACCTGGGAG
GAGAGCTCATCATGTCAGCTTTGGACAGTGTCACATCCCTGATCCAAGCAGCCAAAAATTTAATGAATGC
TGTAGTGCAAACAGTGAAAATGTCTTACATTGCCTCAACCAAGATCATCCGAATCCAGAGTCCTGCTGGG
CCCCGGCACCCAGTTGTGATGTGGAGAATGAAGGCTCCTGCAAAAAAACCCTTGATTAAAAGAGAGAAGC
CAGAGGAAACGTGTGCAGCTGTCAGACGAGGCTCAGCAAAGAAAAAAATCCATCCATTGCAAGTCATGAG
TGAATTTAGAGGAAGACAAATCTACTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013266 unedited
TCTTACACCCGCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
GCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGC
GAATTCGGCACCAGGGAAGGCAACTCGACCTTTGGAAGCCTCTATGTTGTGACTCCACTT
GATAAGGCAGCATGTCAGCTGAAACACCAATCACATTGAATATCGATCCTCAGGATCTGC
AGGTCCAAACATTCACCGTGGAGAAGCTACTGGAGCCTCTCATAATCCAGGTTACCACAC
TTGTAAACTGTCCCCAGAACCCTTCCAGCAGGAAAAAAGGACGTTCGAAAAGAGCCAGTG
TCCTTCTAGCTTCTGTGGAGGAAGCAACTTGGAATTTATTAGACAAGGGAGAGAAGATTG
CCCAGGAAGCTACAGTTTTAAAGGATGAGCTTACGGCTTCACTTGAGGAAGTTCGCAAAG
AAAGTGAAGCTCTGAAAGTATCAGCTGAGAGATTTACAGATGACCCCTGTTTTCTCCCAA
AAAGGGAGGCTGTGGTTCAAGCTGCCCGTGCCTTGCTGGCTGCGGTGACGAGACTCCTTA
TCCTTGCGGACATGATTGATGTCATGTGCCTCTTGNCACATGTGTCAGCTTTTCAAGGAC
ATTTGAGTCTCTCAAAATGTTGCCACAAATCTGACCTCCAGAAACCTACCAGAGCTTGGG
AAGAGCTGGAAAATTGGATTATTTAGCCTTCAACGTCAGCAGGACTTAAAATCTCCCAAT
CAGAAAGATGAATTTGCAGGAGCCCCGAGCTCCACTGGAAGAGGAACTTTCCCCTCTTGG
CATTCAATTTGTTCCAACTTGTTTGGGAGCATTTCTGATGGTGGCTTCCCTAAAAACAGC
AAGAACACATTTTGGAAAAAATTCAAAATGCTTTCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013266 unedited
TGGCTTTCATTTATAAGAACGTTTTAAAATCACTCCAGCTTCATTGCCATTAACTGCTTC
ATAGTTCAATGGTACAGTTCATGCAGTTATATTTTACTCAACGTCAAAAGGTTTTTCAAA
CTGCCATTTTCCTTTTAATTACAATTGCAAGCTGATAAAAATGTATTTTTATGTTTGTAA
AAATAGGGTCATACAGAACTTACACTTCTGTTATTATTAATATAACTCACTTTGGGATAT
AGTTTGTTGTCTCATTTTCCCAATGGGTGATAACTCTTCTTTCACATATGTATTCGGATA
GGCCTAACACTCAAAAGTACAGAACTCTCTAACACATTGGAAACCCAAAAGGTGAGTATG
TGGCATCATAACTCATTGCAACCTTTATAATGTTAAGAAAGCATATTATTAATAAACAAG
GTTGACCTTCAAAATCCAGCAAGTAGCCTAACTATTCAAATCTCACTAGGCTATCATGGA
TATTACCCTATAAGTTGACTATGACTACATGTATTCATAGATTTAAATGGTGGTTTTTCT
GCTATGCACGAATCCTACCTTTCTTCCTTGTTAAGTAGCCAATTACATCTAATAATACAC
CTGTCGATTAACTGTACATTCTTTACTAACGTCTTTGTTCTATTTCACCCCAGCTTTTAT
TTTCTTTATCGCACCATCCCCCCCCACGTCCTCTTCCTCCTAATTCTCCTCCGCTCTTGGC
TCCCCCTCTTTTTCCTTATACATTTTATCCTAATTTCCCTTTCGCCTCCATCACATCCTT
ATTCCCCTACTAGCTTTTCCTCCTTCCCGTATTTTTTTTTCTCTCACCCGCACCTTTTTT
TTATTTCAATCTCTCCCTCACTCCTATCAGTACCGTCACCTATTTATTTCCCCACTTTTA
TTTATTCTCTTCNAAANACATCGCGCCTCTCCCCCATTTCTACTATTTTTCCGCTCTCCT
CGTCTTATCCTCACCACTTCATATTTCTTACCTACG

Restriction Sites: NotI-NotI

ACCN: NM_013266

Insert Size: 4000 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_013266.1, NP_037398.1
RefSeq Size:	3024 bp
RefSeq ORF:	2688 bp
Locus ID:	29119
UniProt ID:	Q9UI47
Cytogenetics:	10q21.3
Domains:	Vinculin
Protein Pathways:	Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Endometrial cancer, Leukocyte transendothelial migration, Pathways in cancer, Tight junction
Gene Summary:	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 encode the same protein. 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.