

Product datasheet for **RG237911**

CTNNA3 (NM_001291133) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTNNA3 (NM_001291133) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CTNNA3
Synonyms:	ARVD13; VR22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237911 representing NM_001291133. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGAAATCAACGCAAAGGAGAGAGAAACAAGGCAGCATGT CAGCTGAAACACCAATCACATTGAATATC
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ACCACACTTGTA AACTGTCCCGAGAACCCCTCCAGCAGGAAAAAGGACGTT CGAAAAGAGCCAGTGTC
CTTCTAGCTTCTGTGGAGGAAGCAACTTGAATTTATTAGACAAGGGAGAGAAGATTGCCAGGAAGCT
ACAGTTTTAAAGGATGAGCTTACGGCTTCACTTGAGGAAGTTCGAAAGAAAGTGAAGCTCTGAAAGTA
TCAGCTGAGAGATTTACAGATGACCCCTGTTTTCTCCAAAAAGGGAGGCTGTGGTTCAAGCTGCCCGT
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GCCATTGCCAGGCTCTTCAGGATCTGCTTTCAGAGTACATGAACAACCTCTGTAATCAAAAAGTCTGAC
CTGGGCTCACTGGAGTAAAAATCAAATGTTGGAGGAATGCATTATTTCTGGAGTCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237911
 Blue=ORF Red=Cloning site Green=Tag(s)

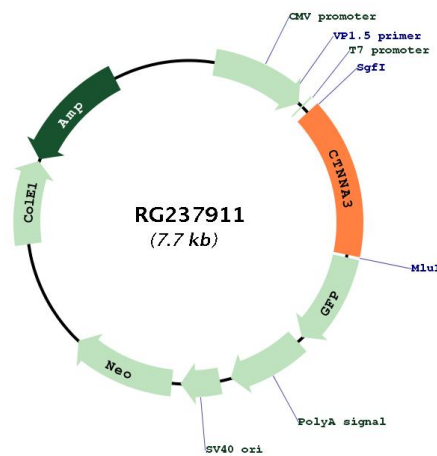
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 LLASVEEATWNLLDKGEKIAQEATVLKDELTALEEVRKESEALKVSAERFTDDPCFLPKREAVVQAR
 ALLAAVTRLLILADMIDVMCLLQHVSAFQRTFESLKNVANKSDLQKTYQKLGKELNLDYLAFKRQQDL
 KSPNQRDEIAGARASLKENSPLLSHSICSACLEHSDVASLKASKDVTVCEEIQNALNVISNASQGIQNM
 TTPPEPQAATLGSALDELENLIVLNPLTVTEEEIRPSLEKRELEAIIISGAALLADSSCTRDHLRERIIAECN
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 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001291133
ORF Size:	1164 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001291133.2
RefSeq Size:	2790 bp
RefSeq ORF:	1167 bp
Locus ID:	29119
Cytogenetics:	10q21.3
Protein Pathways:	Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Endometrial cancer, Leukocyte transendothelial migration, Pathways in cancer, Tight junction
MW:	43.5 kDa
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]