

Product datasheet for **SC214041**

Ryanodine receptor 2 (RYR2) (NM_001035) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Ryanodine receptor 2 (RYR2) (NM_001035) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: RYR2
Synonyms: ARVC2; ARVD2; RyR; RYR-2; VACRDS; VTSIP
ACCN: NM_001035
Insert Size: 1371 bp
Insert Sequence: >SC214041 3'UTR clone of NM_001035
 The sequence shown below is from the reference sequence of NM_001035. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGAAACAGTATGAAGACCAGCTAAATTAACTCAGACCCAATCACCTCTAAAAACCAAACCTACCC
CTCTCTCCCTCTCAATTTCTGCTCTCTTGAAACATTTTGTGATTTTGTGAATTGCCAGCGT
TGTGTGTTTTCTGGGAGCATCGAAGCTCTGTTTCGGAAGAGCTGTTTCCTCCCCCACCTTTTGTATTT
ACTTTGAGACTAAAGACTGAAGAATAATCTAAATTCATACTCAGACAAAAAAGGAATTCTGAAAGAA
AACCATTCTGGACTGTGACACACATAGATAGATTTTCTTCTGAGACTCCCGGAGTCTTCTCGAG
CTACGAGACCTTCACAGAGACACGTGGCAGCCACACTCACCCAGCCTCTTTATTTACCATCCTGGAAG
GAAACTGTCTGTCTAATGGTCACAGAGCACTGTAGCACTTAACAGATTGCCATGGACACCAGTTGCGAA
GGGAAATAGTGCCTTACTATATGTTGGTTGAGCTATGCAGAAGATACGTGCATGAAAAACATCTTTAT
TTTCTTTATGTCGACCTTTCTTTCTTAGATTGATTTTGTGAGGTTTTTTTTTTTCTTTAGTCTTTT
CTTTAGTGGGGAGGGTAAGAAAAGCAGTTTGCACCTAAAAAGAAAAAAAAAAAAACGGGTGGTGTGCT
CAGGACAAAAGGAGGCTTTCTCATTACGCTAAATTCACATTTGCCCCCCCCCCCGCCCCGCCCCA
TATGCTCCTGCTATTATTTGGTAATGCTCTGATGCAACATTGCAACTTTATGAAATCTTTGATGAAA
ACAAAAAGACTGCAAAAAATACACTTTCAAAGAAACCATTTCATTGCATGTTTATTATGCAAGTTTAAA
TGAAACAAAGAAAACCTTCAGAAACAAGTTGATCAACGTGAGAGAAATTTTCATGATAATTATTCATAGTA
ATAAAGTGTGCTGGGCTTAATTTGATATCTGGAGCCAGTGTATCCACCAACAATGTGATACAATATGA
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TCTTGTGACGCCATTTTTAATATCAAAGCTGAAGCAATATCCATTACAGGGATTTTCATCAGTTGCATCA
AAAAACACGGATGATAATATACATCACTCCATTTTTCCATTTTGAAGCTTTTAAATGTAATGCTAAC
CTTTACAATTAAGTCAAGTTCAGAAATGGAACAAGGTCATTTTGAACACATTGGAGCTCTTTTATT
ACAAGTCTGCTTGTAAATTTTAGAACTGTAAAACCGCTCTGATTAACCTATTTAACTAAC
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001035.3
Summary:	This gene encodes a ryanodine receptor found in cardiac muscle sarcoplasmic reticulum. The encoded protein is one of the components of a calcium channel, composed of a tetramer of the ryanodine receptor proteins and a tetramer of FK506 binding protein 1B proteins, that supplies calcium to cardiac muscle. Mutations in this gene are associated with stress-induced polymorphic ventricular tachycardia and arrhythmogenic right ventricular dysplasia. [provided by RefSeq, Jul 2008]
Locus ID:	6262
MW:	53