

## Product datasheet for **SC213478**

### CASQ2 (NM\_001232) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CASQ2 (NM_001232) Human 3' UTR Clone
Symbol:	CASQ2
Synonyms:	PDIB2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001232
Insert Size:	1250 bp



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**Insert Sequence:** >SC213478 3'UTR clone of NM\_001232  
 The sequence shown below is from the reference sequence of NM\_001232. 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
GATGACAGTGATGACGATGATGATGAATAGCCCAACTCCAACAATTCTGATGAAAAACAAAATCACAGC
ACCCACTACCATACAGACAGCACAAAGGTGGCAGCAAGCAATTCTGCCCCACCCAGCCAGCTCCTTTTC
CCTTTTCCATCATCTCTTTTCCCACTCCCTTTGCGTCAGGAGCAGCATCATTAGCAAAATGCCTTTTCA
AATGCAGCAATCCCACTTAGCAGGGACAGGAGAAAAATTATCCCATGTTGACTGTCTTGACTGTACAG
GAACAGATCTTGTCTTTGCTGGACCATCAAGGGTCATGGCAGTGCCTGAACATGGCAGTCTAGGGTGA
ACAATCCCCTAACACAAGTTTACTTGTCTTTGATTATGACAGTAACAAAATTGACAGCTTTCTAACTCA
CAGGCATAGAGTGACCTTTTAATCAGAGCCCAGGGAAGACACATGATTAATGATTTAGCTCCCTCCATA
CCTCGAACATCAGTTGGGATCCCTCCTCCAGCCAAGATGATCCTTCTTAGAGAAGGCTCAGCCTTGAA
GCAAACCTATAAATCATATTCTCATGGCTTTGTTAACTTATTTCAAGTGATGGTATTATATCACTA
TGAACCTGGATATTCAAGCCTTTGGATGGCTATGGAGAGGGCTTAAAATGTGTACAGGTGTCACCATCA
TTTCTAGTATATTAGAACTGGGATGGGAGGTTGATTTGCTCTCTAACTTCCCTCTAGTTGGCAAGT
CTCACATATTCATCAGCAGGAGTGGAGGGTGGGGGAAAAGTAGAAAAGTAAAACCTTTTACATTTTCT
GATGGGTTTCATGTCTCTGATTGGGTGAGCTGGCTTCTAGCCTAAGCTGGGATCTGAATACCCCTTCTC
TGATAGCTGCTAGTGAGCCTTCCCATTTAGATTAAGATTGCTTTTCCAGCAGTCAATTAACCTCCAG
TTATCAGTACTCCACAATTGGCCAGGGCAACAATAATTGGAGTTCATACTGATGCCCTGAGGCACTGA
AAAAAAAAAAAAATCCCAAAGTGCCTTCTGAGCTGTCTAAAAGTTACATTGTGCTTGGTAGATTTAGTGT
TAAGTGTGACAGTATAATTTTCTAATTTATTTTCTCAATCTTTTAGCACATGTGTAAGACACTGTGCAAA
TTTTTTGAAAATAGAGCAATACTTTTTGTGGAATACTAGCTAACTAATTCTGTCAATAAACTCATATTT
TGAAAATA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-MluI

**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\\_001232.4](#)

**Summary:** The protein encoded by this gene specifies the cardiac muscle family member of the calsequestrin family. Calsequestrin is localized to the sarcoplasmic reticulum in cardiac and slow skeletal muscle cells. The protein is a calcium binding protein that stores calcium for muscle function. Mutations in this gene cause stress-induced polymorphic ventricular tachycardia, also referred to as catecholaminergic polymorphic ventricular tachycardia 2 (CPVT2), a disease characterized by bidirectional ventricular tachycardia that may lead to cardiac arrest. [provided by RefSeq, Jul 2008]

**Locus ID:** 845

MW: 46.5