

Product datasheet for **SC202145**

Cardiac Troponin T (TNNT2) (NM_001001431) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cardiac Troponin T (TNNT2) (NM_001001431) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TNNT2
Synonyms:	CMD1D; CMH2; CMPD2; cTnT; LVNC6; RCM3; TnTC
ACCN:	NM_001001431
Insert Size:	226 bp
Insert Sequence:	>SC202145 3'UTR clone of NM_001001431 The sequence shown below is from the reference sequence of NM_001001431. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAGGCTAAAGTCACCGGGCGCTGGAAATAGAGCCTGGCCTCCTTCACCAAAGATCTGCTCCTCGCTCGC ACCTGCCTCCGGCCTGCACTCCCCAGTCCCGGGCCCTCCTGGGCACCCAGGCAGCTCCTGTTTGGAA AATGGGGAGCTGGCCTAGGTGGGAGCCACCACTCCTGCCTGCCCCACACCCACTCCACACCAAGTAATA AAAAGCCACCACACTGA ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	SgfI-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:	<u>NM_001001431.3</u>



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Summary:

The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined. [provided by RefSeq, Jul 2008]

Locus ID:

7139

MW:

8.1