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Product datasheet for SC202092

Troponin C1 (TNNC1) (NM_003280) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Troponin C1 (TNNC1) (NM_003280) Human 3' UTR Clone
Symbol:	TNNC1
Synonyms:	CMD1Z; CMH13; TN-C; TNC; TNNC
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003280
Insert Size:	205 bp
Insert Sequence:	>SC202092 3'UTR clone of NM_003280 The sequence shown below is from the reference sequence of NM_003280. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TTCCTGGAGTTCATGAAGGGTGTGGAGTAGATGCTGACCTTCACCCAGAGCTGCCTATGCCCAGCCTCC AACTCCAGCTGAGTCCTGGGGTTGGGGAGGGGGTCGGGGTCCCAGGACCTGAGCCTGGCCATGTCCTCA ACCCCAAATCCCCCGACTCCCTCCCCAGATCTGTCCTGGGGGATGCAAATAAAGCCTGCTCTCCCAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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:	NM_003280.3

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Summary: Troponin is a central regulatory protein of striated muscle contraction, and together with tropomyosin, is located on the actin filament. Troponin consists of 3 subunits: TnI, which is the inhibitor of actomyosin ATPase; TnT, which contains the binding site for tropomyosin; and TnC, the protein encoded by this gene. The binding of calcium to TnC abolishes the inhibitory action of TnI, thus allowing the interaction of actin with myosin, the hydrolysis of ATP, and the generation of tension. Mutations in this gene are associated with cardiomyopathy dilated type 1Z. [provided by RefSeq, Oct 2008]

Locus ID: 7134

MW: 7.2