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Product datasheet for SC201130

Troponin T1 (TNNT1) (NM_003283) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: Troponin T1 (TNNT1) (NM_003283) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: TNNT1

Synonyms: ANM; NEM5; STNT; TNT; TNTS

ACCN: NM_003283

Insert Size: 247 bp

Insert Sequence:

>SC201130 3'UTR clone of NM_003283
The sequence shown below is from the reference sequence of NM_003283. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGGCCGCGTTGGAGGCCGCTGGAAGTGAGGATGCCGCCCCGGACAGTGGCACCTGGGAAGCCTGGGA
GTGTTTGTCCCATCGGTAGCTTGAAATAAACGCTCCCCTCAGACACCCGCTGGGTTCTCTGATGTTATT
ATGGTTGAGATGCAGCTGGTCTCTCCTGGTTAATTGACTTCTTATTACCAACAAGTTACTTGAAAGAGT
GTCACCAATAATCATTAAAGTACGGCAGGCTGAACCTTCA
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_003283.6

View online »

Summary: This gene encodes a protein that is a subunit of troponin, which is a regulatory complex located on the thin filament of the sarcomere. This complex regulates striated muscle contraction in response to fluctuations in intracellular calcium concentration. This complex is composed of three subunits: troponin C, which binds calcium, troponin T, which binds tropomyosin, and troponin I, which is an inhibitory subunit. This protein is the slow skeletal troponin T subunit. Mutations in this gene cause nemaline myopathy type 5, also known as Amish nemaline myopathy, a neuromuscular disorder characterized by muscle weakness and rod-shaped, or nemaline, inclusions in skeletal muscle fibers which affects infants, resulting in death due to respiratory insufficiency, usually in the second year. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 7138

MW: 8.9