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Product datasheet for SC209538

TPM1 (NM_001018020) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: TPM1 (NM_001018020) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: TPM1

Synonyms: C15orf13; CMD1Y; CMH3; HEL-S-265; HTM-alpha; LVNC9; TMSA

ACCN: NM_001018020

Insert Size: 773 bp

Insert Sequence:

>SC209538 3'UTR clone of NM_001018020
The sequence shown below is from the reference sequence of NM_001018020. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAGACTTTACTGGAGTTAAACAACATGTGAAAACCTCCTTAGCTGCGACCACATTCTTTCGTTTTGTTT
TGTTTTGTTTTTAAACACCTGCTTACCCCTTAAATGCAATTTATTTACTTTTACCACTGTCACAGAAAC
ATCCACAAGATACCAGCTAGGTCAGGGGGTGGGGAAAACACATACAAAAAGGCAAGCCCATGTCAGGGC
GATCCTGGTTCAAATGTGCCATTTCCCGGGTTGATGCTGCCACACTTTGTAGAGAGTTTAGCAACACAG
TGTGCTTAGTCAGCGTAGGAATCCTCACTAAAGCAGAAGAAGTTCCATTCAAAGTGCCAATGATAGAGT
CAACAGGAAGGTTAATGTTGGAAACACAATCAGGTGTGGATTGGTGCTACTTTGAACAAAAGGTCCCCC
TGTGGTCTTTTGTTCAACATTGTACAATGTAGAACTCTGTCCAACACTAATTTATTTTGTCTTGAGTTT
TACTACAAGATGAGACTATGGATCCCGCATGCCTGAATTCACTAAAGCCAAGGGTCTGTAAGCCACGCT
GCTCTTCCGAGACTTCCATTCCTTTCTGATTGGCACACGTGCAGCTCATGACAATCTGTAGGATAACAA
TCAGTGTGGATTTCCACTCTTTTCAGTCCTTCATGTTAAAGATTTAGACACCACATACAACTGGTAAAG
GACGTTTTCTTGAGAGTTTTAACTATATGTAAACATTGTATAATGATATGGAATAAAATGCACATTGTA
GGACATTTTCTAAA
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).

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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_001018020.2
Summary:	This gene is a member of the tropomyosin family of highly conserved, widely distributed actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosin is composed of two alpha-helical chains arranged as a coiled-coil. It is polymerized end to end along the two grooves of actin filaments and provides stability to the filaments. The encoded protein is one type of alpha helical chain that forms the predominant tropomyosin of striated muscle, where it also functions in association with the troponin complex to regulate the calcium-dependent interaction of actin and myosin during muscle contraction. In smooth muscle and non-muscle cells, alternatively spliced transcript variants encoding a range of isoforms have been described. Mutations in this gene are associated with type 3 familial hypertrophic cardiomyopathy. [provided by RefSeq, Jul 2008]
Locus ID:	7168
MW:	29.6