

## Product datasheet for **SC215852**

### TPM4 (NM\_001145160) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	TPM4 (NM_001145160) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TPM4
Synonyms:	HEL-S-108
ACCN:	NM_001145160
Insert Size:	1686 bp



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<b>Insert Sequence:</b>	<p>&gt;SC215852 3'UTR clone of NM_001145160 The sequence shown below is from the reference sequence of NM_001145160. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CAGACTAAACGAACTTAAGTGTATTAAGCAAAACAGAAGAGTCTTGTTCCAACAGAACTCTGGAG CTCCGTGGGTCTTTCTCTCTCTGTAAAGAAGTTCCTTTTGTATTGCCATCTTCGCTTTGCTGAAAT GTCAAGCAAATTATGAATACATGACCAAATATTTGTATCGGAGAAGCTTTGAGCACCAGTTAAATCTC ATTCTTCCCTTTTTTTTCAAATGGCACCAGCTTTTTCAGCTCTCTATTTTTTCTTAAAGTAGCATT TATTCCTAAGGTAGGCAGGGTATTTCTAGTAAGCATACTTTCTTAAGACGGAGGCCATTTGGTCTCTG GGAGAATAGGCAGCCCCACACTTTGAAGAATACAGACCCAGTATCTAGTCGTGGATATAATTAACG CTGAAGACCATAACCTTTTGGTCAACTGTTGGTCAAATATAGGAGAGACCAGGGACCATCACATGGG TAGGGATTTTCCATCCAGAGCCAATAAAGGACTGGTGGGGGCCGGGGTGGCTATTGTGGGAAGTCAT AACCCACAGATAGATCAACCTAAGAATCTGGCCCTTCTCCACTCTCCACCATGCAGGACAAACATCTT CTCAAGCAGTCAACGTAGAATGCTTGGGAAATAGTCATAATTACCCACATATAGTAATTAATAGATGGT AATTAATTGATCCTTGATGTGATGTTCTTTTGCATATTTCTTCAATTCTAAAGTTGTTCCCTGGCCGGG AGCGTTGGCTTTTCGCTGTAATCCCAACACTTTGGGAGGCCAGGACAGATCACTTGAGGTGAGGAGTTC GAGACCAGCCCAGCCAACATGGCGAAACCATGTCTCTACTAAAAATACAAAAATTATGGTGACGCCTGC CTGTAGTCCCAGTACTCGGGAGGCTGAGGCAGGAGGATCGCTTGAACCCAGGAAGTGGAGACTGCAGT GAGCCGATATCGCACCACAGCGCTCCAGCCTGGTCGACAGAGTGAAGTCCATCTCAAGAAAAAATAA AATAAAGTTGTTCTCTGAAGAGCAAATGTCTCATTCCAGTAATGACCCACTCAGCAGGAATATGGTGGA GTTCAAGTCCAATTCAGGTCAGCCATATCCAAAAGACCACAAGTCATTACTAAGTTGAGCAAAAGAGTTT TTATCTATTAGCAGAAAGGCCTCTCTGCGAGCAGAGATTAAAAACTGGCCCAACTTCAATTTCCATACT TCAGGGAACAGCAAATTGAGGATTTACTTATCTAGGACTTGAATTCCTTCTTTGGGACCAAGTTAATAA AAGACCAAGAACTCCTGATTAACCTGGATAATGAAGGATTCTGTAGACAGGGCTGCACGTATCGGCTT TGTTTGACTTCTTTTTCTCAGTTAACATCTCAGAGCTAGAACATTCCACATTTCCCAGCAGCGTGTGG GGGCTGACTAAAGTTTACAATTCACACTAAAAATCACCTGCTTCTGGCTTATCTGAATCCCTTACCCA CCCCCCCCACCACCCTACTCTATTTATTCAGCACCACACTACCAGGAAATACACTAGCAAATTTGTG CAATGGAATAAAATCCACACTTTAGATTCTTGCAACTGTATCATATGTAATAGTATCACTTTTTTCTACA TTTTGGTCAAATAAATTTTACATAAACTA ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCACCGCCGCTTCTATGAAAGG</pre>
<b>Restriction Sites:</b>	Sgfl-MluI
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_001145160.2</a>

**Summary:**

This gene encodes a member of the tropomyosin family of actin-binding proteins involved in the contractile system of striated and smooth muscles and the cytoskeleton of non-muscle cells. Tropomyosins are dimers of coiled-coil proteins that polymerize end-to-end along the major groove in most actin filaments. They provide stability to the filaments and regulate access of other actin-binding proteins. In muscle cells, they regulate muscle contraction by controlling the binding of myosin heads to the actin filament. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2009]

**Locus ID:**

7171

**MW:**

63.7