

## Product datasheet for **SC122661**

### Telethonin (TCAP) (NM\_003673) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Telethonin (TCAP) (NM\_003673) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TCAP  
**Synonyms:** CMD1N; CMH25; LGMD2G; LGMDR7; T-cap; TELE; telethonin  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Cell Selection:** None  
**Fully Sequenced ORF:** >OriGene sequence for NM\_003673 edited

```
GGGGGAGGAGTGATCATGCTACCTCAGAGCTGAGCTGCCGAGGTGTCGGAGGAGAACTGT  
GAGCGCCGGGAGGCCTTCTGGGCAGAATGGAAGGATCTGACACTGTCCACACGGCCCGAG  
GAGGGCTGCTCCCTGCATGAGGAGGACACCCAGAGACATGAGACCTACCACCAGCAGGGG  
CAGTGCCAGGTGCTGGTGCAGCGCTCGCCCTGGCTGATGATGCCGATGGGCATCCTCGGC  
CGTGGGCTGCAGGAGTACCAGCTGCCCTACCAGCGGGTACTGCCGCTGCCCATCTTACC  
CCTGCCAAGATGGGCGCCACCAAGGAGGAGCGTGAGGACACCCCATCCAGCTTCAGGAG  
CTGCTGGCGCTGGAGACAGCCCTGGGTGGCCAGTGTGTGGACCGCCAGGAGGTGGCTGAG  
ATCACAAAAGCAGCTGCCCTGTGGTGCCTGTCAGCAAGCCCGGTGCCCTTCGTCGCTCC  
CTGTCCCCTCCATGTCCAGGAAGCACAGAGAGGCTGAGAGGGACTGTGACTTGGGCTC  
CGCTGTGCCCGCCCTGGGCTGGGCCCTTCTGGCTAGGACTGTGGAGGGGAGCTGCTGGC  
CATGGCTGCTTTGTAGTTTGGCCAGAGTTGGGGCTAGGGGAGGGGGAGCCAGAGGCCA  
GGATGCCCTGAGCCCCCTGAGTTCCCAAAGGGAGGGTGGCAGAGACAGTGGGCACTAAGGG  
TGGAGAGTTGGGGGCCAGCACAGCTGAGGACCCTCAGCCCAGGAGAAGGGACAAAAGGT  
ACTGGTGAAGGCAAGAGGTGCCTGGGAGGAGTGGCCCTGATCCAGGAAAAATGTGAGGGGA  
ATCTGGAACGCTCTAGGCAGAAGAAGCTGGGAGGAGGGGGAGGTGAAAAGGGCAGAGGC  
AAGGATGGTGGGCCCCCAGCACCCCTCTGTTAGTGCCCAATAAATGCTCAATCATGTGC  
CAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_003673 unedited NGGAGTTCAGATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCCATTACGGCCGG GGGAGGAGTGATCATGGCTACCTCAGAGCTGAGCTGCGAGGTGTCCGAGGAGAACTGTGA GCGCCGGGAGGCCTTCTGGGCAGAATGGAAGGATCTGACACTGTCCACACGGCCCGAGGA GGGCTGCTCCCTGCATGAGGAGGACACCCAGAGACATGAGACCTACCACCAGCAGGGGCA GGTGCCAGGTGCTGGTGCAGCGCTCGCCCTGGCTGATGATGCGGATGGGCATCCTCGGCC GTGGCTGCAGGAGTACCAGCTGCCCTACCAGCGGGTACTGCCGCTGCCATCTTCACCC CTGCCAAGATGGGCGCCACCAAGGAGGAGCGTGAGGACACCCCATCCAGCTTCAGGAGC TGCTAGGCGCTGGAGACAGCCCTGGGTGGCCAGTGTGTGGACCGCCAGGAGGTGGCTGAG ATCACAAGCAGCTGCCCCCTGTGGTGCCTGTCAGCAAGCCCGGTGCCCTTCGTCGCTCC CTGTCCCCTCCATGTCCAGGAAGCACAGAGAGGCTGAGAGGGACTGTGACTTNGGCTC CGCTGTGCCCGCCCTGGGCTGGGCCCTTCTGGCTAGGACTGTGGAGGGGAGCTGCTGGC CATGGCTGCTTTGTAGTTTGCACAGAGTTGGGGGCTAGGGGAGGGGGGAGCCAGAGGCC AAGATGCCTGAGCCCTGAGTTCCCAAAGGGAGGGTGGCAGAGACAGTGGGCACAAAGG GTGGAGAGTTTGGGGCCAGCACAGCTGAAGACCCTCAGCCCCAGGAGAAAGGACAAAAGG TACTGGTGAGGGCAAGAGGTGCCTGGGAGGAGTGCCTGATCCAGGAAATGTGAGGGGG ATC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_003673
<b>Insert Size:</b>	994 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>RefSeq:</b>	<a href="#">NM_003673.2</a> , <a href="#">NP_003664.1</a>
<b>RefSeq Size:</b>	963 bp
<b>RefSeq ORF:</b>	504 bp
<b>Locus ID:</b>	8557
<b>UniProt ID:</b>	<a href="#">Q15273</a> , <a href="#">A2TDC0</a>
<b>Gene Summary:</b>	Sarcomere assembly is regulated by the muscle protein titin. Titin is a giant elastic protein with kinase activity that extends half the length of a sarcomere. It serves as a scaffold to which myofibrils and other muscle related proteins are attached. This gene encodes a protein found in striated and cardiac muscle that binds to the titin Z1-Z2 domains and is a substrate of titin kinase, interactions thought to be critical to sarcomere assembly. Mutations in this gene are associated with limb-girdle muscular dystrophy type 2G. [provided by RefSeq, Jul 2008]