

## Product datasheet for **SC206078**

### SM22 alpha (TAGLN) (NM\_003186) Human 3' UTR Clone

#### Product data:

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Product Type:             | 3' UTR Clones                                     |
| Product Name:             | SM22 alpha (TAGLN) (NM_003186) Human 3' UTR Clone |
| Symbol:                   | SM22 alpha                                        |
| Synonyms:                 | SM22; SM22-alpha; SMCC; TAGLN1; WS3-10            |
| Mammalian Cell Selection: | Neomycin                                          |
| Vector:                   | pMirTarget (PS100062)                             |
| ACCN:                     | NM_003186                                         |
| Insert Size:              | 2000 bp                                           |



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**Insert Sequence:** >SC206078 3'UTR clone of NM\_003186  
 The sequence shown below is from the reference sequence of NM\_003186. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
TACGGACGACCTCGGCAGATCATCAGTTAGAGCGGAGAGGGCTAGCCCTGAGCCCGGCCCTCCCCAGC
TCCTTGCGTGCAGCCATCCCGCTTAGCCTGCCTCACCCACACCCGTGTGGTACCTTCAGCCCTGGCCAA
GCTTTGAGGCTCTGTCACTGAGCAATGGTAACTGCACCTGGGCAGCTCCTCCCTGTGCCCCAGCCTCA
GCCCAACTTCTTACCCGAAAGCATCACTGCCTTGGCCCCCTCCCTCCCGGTGCCCCCATCACCTCTACT
GTCTCCTCCCTGGGCTAAGCAGGGGAGAAGCGGGCTGGGGGTAGCCTGGATGTGGGCAAGTCCACTGT
CCTCCTTGGCGGCAAAAGCCATTGAAGAAGAACCAGCCAGCCTGCCCCCTATCTTGTCTGGAATAT
TTTTGGGGTTGGAATCAAAAAAAAAAAAAAAAAAATCAATCTTTTCTCAGGCCTGGCTGGCAGAGTTTG
ATTTGCCCTGGTCACTTTTGTATGGTTTCAGATCTGCGCAGGGGACAGGCAGGCATCTCGGGCTTGTA
TGTGTTCTCGGCTGCCGTCTCTGAAGGACCTTCATGTGCCAAGATTCCAGGACAGTCAGATTCTTTC
AGAGGAAACAGGCCATAGAACAGGAGAGTGAATCTTGGGGACCGAAGGAAAAAGGAGCCACTCAGCAG
CATGCAGTGGCTTTGGGGAGACAGAGGAAAGGAGAGATTGCGAGTGGCAGAAATTGTTTGAAGGTTTTT
ATTTTGGAAAAGCTGTGCAGAAAAAATTCAGAAAAATGTTGCTGTGAAAAGAGAAAAACAAATCTTAA
GCATTAATAAATTCACCAACTAGCTCAGAAGAGGGGAGAAGGCCAAGGTTGAGAGAAGAGTCACAG
CCTGTCAGGCAGATAGCTGGCCTCCGGCGGGAAGGCCATTTCCCTGAGCACTTGACAGGAAGACAGGG
TGGTGGCAGGACTGGAGTGGCAGTGGCTCCCAAGGCTCTCTCTCCAACATGTGCATCTGCCATCTGCT
CTGCAGTCTGCGCAGGATTCCCTAGTGAAGCAGCTCAGGCCTGGGGGAGCCGTGTGTATCCAGCTG
TGCCGGCAGCATCATACCAATCGTGGGGGTGGTGAAGGAGCCAGGGGTTTATTTCATGTTGGTTTCTGA
TCAGGCATCTTGGGAATGGATAATGGAGGCAGCCGCTTTCAGGACAGGCATGTCCAGGGGCTCTCCCA
GCCTCTACCCCGAAGTCTCTTCCCAAGTGACCCAGTGATGTTTCCATTGAGATGCGCTCCTGGCTAT
GGCAGGCACCTTCTCACTTATATGTGGGAAGGGGTCCCCATGCTTGGGGGACCTAGGCAGCTGGCTT
GGCCCAAGAGAGATGAGGATGGAGGCCAAACAAAGGGGGGCGCCAATCCCCTGTCCAACACCTTCTCA
CCAAAAGCTCCCGTTTGGCTGGAGGCAGACCCTGTGGCTCTGACCAGACTTCTTGGCAGCAATCTCTC
ACCATTGTATCTTAAGAAGGCCCTCACCTCTTTGAGTGGAGTCAGAGGATGCCTCAGATTCCAGATG
TAAGCATCAGAACTGCTTCTGTCAAGAGCTCCCTAATTTTGGGAAAGAAGAGCCTGTCCACACTGTC
AGGCCCTGAGGTGAGCAGATCTGCTCCTCTCCCGTGCGGTACGTCTAGGTGCTGATGAGGGCAGTCC
AGGGCGCTCTTGTCTGGGACAGGCTCCAGTCCCTTGCTCCAGCAGGTCTGGGGCAAGGAGGTGAGAG
GTGGTGGGAGGGCCCCTGCTCTCTGTTTCCACTTCGTCTGGATCCTTGCTGCTGCAAAGTGGCACTGAT
TCTAGCTCTGTCCCTTCTCCTTGGCTTCCGGCTCCGATGGGGCCAGTGGCAGGGTCCACTCCTACAA
ACTTGATTGGAAGCCACATTCTCTGGCTCAAATATACTTCCAGCATGTAGTAAACAGTCCAGAAGAC
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_003186.5](#)

**Summary:**

This gene encodes a shape change and transformation sensitive actin-binding protein which belongs to the calponin family. It is ubiquitously expressed in vascular and visceral smooth muscle, and is an early marker of smooth muscle differentiation. The encoded protein is thought to be involved in calcium-independent smooth muscle contraction. It acts as a tumor suppressor, and the loss of its expression is an early event in cell transformation and the development of some tumors, coinciding with cellular plasticity. The encoded protein has a domain architecture consisting of an N-terminal calponin homology (CH) domain and a C-terminal calponin-like (CLIK) domain. Mice with a knockout of the orthologous gene are viable and fertile but their vascular smooth muscle cells exhibit alterations in the distribution of the actin filament and changes in cytoskeletal organization. [provided by RefSeq, Aug 2017]

**Locus ID:**

6876

**MW:**

72.7