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Product datasheet for SC206079

SM22 alpha (TAGLN) (NM_001001522) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SM22 alpha (TAGLN) (NM_001001522) Human 3' UTR Clone
Symbol:	SM22 alpha
Synonyms:	SM22; SM22-alpha; SMCC; TAGLN1; WS3-10
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001001522
Insert Size:	2000 bp

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Insert Sequence:

>SC206079 3'UTR clone of NM_001001522
The sequence shown below is from the reference sequence of NM_001001522. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TACGGACGACCTCGGCAGATCATCAGTTAGAGCGGAGAGGGCTAGCCCTGAGCCCGGCCCTCCCCCAGC
TCCTTGGCTGCAGCCATCCCGCTTAGCCTGCCTCACCCACACCCGTGTGGTACCTTCAGCCCTGGCCAA
GCTTTGAGGCTCTGTCACTGAGCAATGGTAACTGCACCTGGGCAGCTCCTCCCTGTGCCCCCAGCCTCA
GCCCAACTTCTTACCCGAAAGCATCACTGCCTTGGCCCCTCCCTCCCGGCTGCCCCCATCACCTCTACT
GTCTCCTCCCTGGGCTAAGCAGGGGAGAAGCGGGCTGGGGGTAGCCTGGATGTGGGCCAAGTCCACTGT
CCTCCTTGGCGGCAAAAGCCCATTGAAGAAGAACCAGCCCAGCCTGCCCCCTATCTTGTCCTGGAATAT
TTTTGGGGTTGGAACTCAAAAAAAAAAAAAAAAAATCAATCTTTTCTCAGGCCTGGCTGGCAGAGTTTG
ATTTGCCCTGGTCACTTTTGTTATGGTTTCAGATCTGCGCAGGGGACAGGCAGGCATCTCGGGCTTGTA
TGTGTTCCTGGCTGCCGTCCTCTGAAGGACCCTTCATGTGCCAAGATTCCAGGACAGTCAGATTCTTTC
AGAGGAAACAGGCCATAGAACAGGAGAGTGAATCTTGGGGACCGAAGGGAAAAAGGAGCCACTCAGCAG
CATGCAGTGGCTTTGGGGAGACAGAGGAAAGGAGAGATTGCGAGTGGCAGAATTGTTTGGAAGGTTTTT
ATTTTGGAAAAGCTGTGCAGAAAAAAATTCAAGAAAATGTTGCTGTGAAAAGAGAAAAACAAATCTTAA
GCATTAAAAAAAATTCAACCAACTAGCTCAGAAGAGGGGAGAAGGCCAAGGTTGAGAGAAGAGTCACAG
CCTGTCAGGCAGATAGCTGGCCTCCGGCGGGAAGGCCATTTCCCTGAGCACTTGCAGAGGAAGACAGGG
TGGTGGCAGGACTGGAGTGGCAGTGGCTCCCAAGGCTCTCTCCTCCAACATGTGCATCTGCCATCTGCT
CTGCAGTCCTGCCGCAGGATTCCCTAGTGAAGCAGCTCAGGCCTGGGGGAGCCGTGTGTATCCCAGCTG
TGCCGGCAGCATCATACCAATCGTGGGGGTGGTGAAGGAGCCAGGGGTTCATTCATGGTTGGTTTCTGA
TCAGGCATCTTGGGAATGGATAATGGAGGCAGCCGCTTTCAGGACAGGCATGTCCAGGGGCTCCTCCCA
GCCTCTACCCCGAAGTCCTCTTCCCAAGTGACCCCAGTGATGTTTCCATTGAGATGCGCTCCTGGCTAT
GGCAGGCACCTTCTCAACTTATATGTGGGAAGGGGTCCCCCATGCTTGGGGGACCTAGGCAGCTGGCTT
GGCCCAAGAGAGATGAGGATGGAGGCCAAACCAAAGGGGGGCGCCAATCCCCTGTCCAACACCTTCTCA
CCAAAAGCTCCCGTTTGGCTGGAGGCAGACCCTGTGGCTCTGACCAGACTTCTCTGGCAGCAATCCTCC
ACCATTTGTATCTTAAGAAGGCCCTCACCCTCTTTGAGTGGAGTCAGAGGATGCCTCAGATTCCAGATG
TAAGCATCAGAACTGCTTTCTGTCAAGAGCTCCCTAATTTTGGGAAAGAAGAGCCTGTCCCACACTGTC
AGGCCCTGAGGTCAGCAGATCTGCTCCTCCTTCCCGTGCGGTACGTCTAGGTGCTGATGAGGGCAGTCC
AGGGCGCTCTTGTTCTGGGACAGGCTCCAGTCCCCTTGCTCCAGCAGGTCTGGGGCAAGGAGGTCAGAG
GTGGTGGGAGGGCCCCTGCTCTCTGTTTCCACTTCGTCTGGATCCTTGCTGCTGCAAAGTGGCACTGAT
TCTAGCTCTGTCCCTTCCTCCTTGGCTTTCCGGCTCCGATGGGGCCAGTGGCAGGGTCCACTCCTACAA
ACTTGATTGGAAGCCACATTCCTCTGGCTCAAATATACTTCCAGCATGTAGTAAACAGTCCAGAAGAC
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_001001522.2

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