

Product datasheet for **SC317106**

SMTNL1 (NM_001105565) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMTNL1 (NM_001105565) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMTNL1
Synonyms:	CHASM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001105565 edited
 ATGCTCCCGGGGCGAGTTGGAGAGTCAGATTGCTCAGCAGAGGCCAGGGAGAAGATGGAG
 CAGAAGGAAGGGAAGCTCTCTGAGGATGGGACCACCGTCTCCCCAGCTGCGGACAACCC
 GAGATGTCAGGAGGTGGAGCCCCGTCAGAGGAGACCAAAGGCACAGCTGGAAAGGCCATC
 AATGAGGGGCTCCCACTGAGTCAGGAAAAGCAGGAAAAGCACCAGCCGAGGACGGCATG
 TCAGCAGAACTCCAGGGGAAGCAAATGGATTAGATGAGGTCAAAGTGGAAATCTCAGAGG
 GAGGCTGGTGGGAAAGAGGATGCTGAGGCTGAACCTAAAAAGGAGGATGGTGAGAAGGAA
 GAGACCACTGTGGTTCTCAGGAGATGACTGGCAGGAAAGAAGAGACCAAATCTGAACCC
 AAAGAGGCTGAGGAAAAGGAGAGCAGCTGGCCTCTGAGAAGCAGAAGGCTGAGGAGAAA
 GAGGCCAAACCTGAATCTGGGCAGAAAAGCCGATGCCAATGACAGAGACAAGCCTGAACCT
 AAGGCAACAGTTGAGGAGGAGGACGCCAAGACAGCCTCTCAGGAGGAGACAGGCCAGAGG
 AAAGAGTGCAGCACTGAACCCAAGGAGAAGGCTACTGATGAAGAGGCCAAGGCTGAATCG
 CAGAAGGCTGTTGTGGAGGATGAGGCTAAGGCTGAACCCAAGGAGCCGATGGGAAAAGAG
 GAGGCCAAACATGGTGCAAAAAGAGGAGGCTGATGCAAAAAGAGGAGGCGGAGGATGCAGAG
 GAGGCAGAGCCAGGCAGTCCCAGCGAAGAGCAGGAGCAGGACGTGGAAAAAGAGCCAGAG
 GGAGGGGAGGGGTGATTCCCAGCTCCCCAGAGGAGTGGCCTGAGAGCCCCACTGGGGAG
 GGGCACAACCTCAGCACAGATGGGCTGGGTCCAGACTGTGTAGCTTCCGGACAGACCAGT
 CCTTCAGCCAGTGAGTCTTCACCCAGCGACGTGCCCAAGTCCCCTGAGTCCCCTTCC
 TCAGGGGAGAAGAAGGAGAAGGCACCAGAGCGCAGGGTATCAGCCCTGCTCGGCCCGG
 GGGCCCCGGGCACAGAACCAGCAAAGCCATCGTGGACAAGTTTGGCGGGGAGCTTCCGGC
 CCCACGGCCTTGTTCGCAACACTAAGGAGCCGGGGCAGCCATTGGTGGTGTCAAGAAC
 ATGCTCTTGGAGTGGTGGCAGCCATGACAAAAAATACGAGCATGTGGACATCCAGAAC
 TTCTCCTCAGCTGGAGCAGTGGTATGGCCTTCTGTGCCCTCATCCACAAGTTCTTCCCT
 GACGCTTTGACTACGCAGAGCTGGATCCCAGAAAGCGCCGGCACAACCTCACCCTGGCC
 TTCTCCACAGCAGAGAACTGGTGACTGTGCTCAGCTGCTGGACGTGGATGACATGGTG
 CGGTTGGCTGTGCCGACTCCAAGTGCCTACACATACATCCAGGAACTGTACCGCAGC
 CTTGTGCAGAAAGGACTGGTGAAGACCAAGAAGAAGTGA



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Restriction Sites:	Please inquire
ACCN:	NM_001105565
Insert Size:	1500 bp
OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001105565.1</u> , <u>NP_001099035.1</u>
RefSeq Size:	2062 bp
RefSeq ORF:	1539 bp
Locus ID:	219537
UniProt ID:	<u>A8MU46</u>
Cytogenetics:	11q12.1
Gene Summary:	The protein encoded by this gene is involved in the contraction of both striated and smooth muscle. During pregnancy, the encoded protein interacts with progesterone receptor to attenuate the expression of contractile and metabolic proteins. [provided by RefSeq, Jul 2016]