

Product datasheet for **MC229179**

Smtn (NM_001284427) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smtn (NM_001284427) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smtn
Synonyms:	smsmo
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229179 representing NM_001284427
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGACGAGGCTTTAGCTGGCTGGATGAAGGAGCCCTCCGAAAACCTGCTGGAGGCTACTGCAGATC
 TGGCAGAACGGCGCGGATCCGCTCAGCCATCCGGGAGCTGCAGCGACAGGAGCTGGAACGAGAAGAGGA
 GGCTCTGGCGTCCAAACGTTTCCGCTGCTGAGCGCAAGACAACAAGGAGAAGTGGCTACTCTCAACAG
 CGAGAAGCTGAACAGCAGGCCGCCCTCGCACGATTGGCAGGGAGACTGGAGTCCATGAATGATGTCGAGG
 AGTTGACCACACTGCTTCGGAGTGCCGGTGAATATGAGGAGCGCAAGCTGATCAGAGCTGCCATCCGCCG
 AGTGGCAGCTCAGGAGATTAAGGCTGCCACCTGGCTGGGAGACTGTGCAGTAGACTTCCCAGTAGTGGC
 CCCCAGAGGACAGCAGGAGGCCAGGCAGCACACATTGGACCCTGGTAAGGTGCCAGAGCCAGAGCAGC
 AGAACAGCAGACAGAAGTACTCGAGCCAACCCCAACCCAGAGGACACCAGCCAGGATGTGACCACAGT
 GACTCTCTGCTGAGGGCCCCGCTGGGGCAGGCCAGCTCACCTGCTTCCCCCAACAATTCACCACCC
 AGTGCCTCTCAGAGCCTCTGCTGGAGCCTGCTGGAGCCAGTGTCTGTGTGGAGGCTCCAGTCAAGT
 CTGAGCCACTTCCACACCTTCAAGAGCTCCTAGCCCTGAGCCCCCATGTCCGCCGTACCGTCCAGCTC
 TCGGGGCGGGTTCATCAGCAAGCCCTGCCTGGCCCCACAGAGCCCTCAGATACCTTGGACTCCATCAGA
 GGCTTCTCCAACACTAAGAGAGCAGACCCGTCTGAAACGAAATCCTGCCAACGTTCACTATCTGTGCTCA
 GTCGCCGACAACCAACCCCAAATCGAGAGCCAACCTCACTTGCAGGACCGTCCCAGTTCGGTTCGAGTTGG
 CTCTGTGAGAGACAGAGTCCAAAGTTCACATCTGATTCTCCCGTGGTGGCAGGCTCCAGGATGGCCCA
 CCCCAGACAGCCCTTGTTCACCGACCCCAACAAGGCTCCCGGGCCCTTCCCTCATCAGCACCCCTG
 CCTCCTCCTCCAGCAACTCCTCTCCTCCGAGTCCCAGTGCACCTTCTCCACAAGAAGCAGAGAGA
 ACTTGCTCAATCCCTGGCCGAGCTTCAAGAGTGCCTCAAGAGGAGGGCCCTGGGGGCGGGGCTTGCT
 CTCAGGTCCTTGAACAAGAGCAGGGGGGCCAAGCCCTGCTCAGAAGAGCCAGTACCCACCCGCCC
 TGGCCGTGGCACTGGGAGCCAGGGGGCAGTATGAAGACTACGTTTACCATTGAGATCAAGGATGGCCG
 TGGTCAGGCTCCACAGGCCGGGTGCTGCTGCCACAGGCAACCAGAGAGCAGAATTGACTTTGGGATTG
 CGGGCACCCCAACCTTCTCAGCACAGCAGTGGGGCAAGAACCATCACCCACATCAGCAACCCTG
 GGACTGTGACCCGACTGGCAGTGTCACTACGTCACTACCTTCAAGCCATGCCTCCCTGGTAACCGAGG
 AGGCTGCAACTTAAGATGGAGCCAGATCTGCAGAGCCCCCTCACCACAGTGAAGCAGCTAATGGC
 GCAGAGCAGGCTCGAGTGGACAAAGGCCAGAGGGGCGGAGTCCCCTGAGTGCAGAGGAGCTGACGCCA
 TTGAGGACGAAGGAGTCCCTGGACAAGATGCTGGACCAGACTACGAACTTTGAGGAGAGGAAGCTCATCCG
 GGCTGCACTGCGTGGAGTCCGACAAGAAAGAGAGACCAGAGGGACAAGGAACGAGAACGGAGGCTACGG
 GAGGCACGGGCCCGCCGGGCGAGAGCCGAAAGCAATGTGGCCACGGAGACCACCACAGGCACAGCCAGC
 GGGCGGCTGATGGCTCTACTGTCGGCACAGTTACCAAAACCGAGCGCCTCGTTCACTCCAATGATGGCAC
 TCAGAGCGCCCGCACCACCACAGTGGAGTCCAGTTTATGAGGCGCTTGAGAAATGGCAGCAGCAGCAGC
 AGCACCACCACCACCGTCCAAACCAAGAGTTTTTCTCTTCTCTTCTCTCTCTCTCTCTCTCTCTCTCT
 TGGGAGTATCTCGACCGAGAGGACCAGACCAGTCAAGTCTTGGCAGCCTGGCAGCCCTTGAAGAGC
 CCAGGCAGAGAAGAAGAAGAGTTAATGAAGGCACAGAGTCTGCCAAGACTTCAAGTATCCCAAGCAGC
 AAGGCCATGATTGAGAAGCTAGAGAAAGAAGGCTCTGCAGGTGGTCTGGCACACCCCGTACAGCTGTAC
 AGCGTTTACCAGCTTCGGAGTCCCAACGCAATAGCATCAAGCAGATGTTGCTGGACTGGTGGCCGAGC
 CAAGACCCGCGGCTACGAGCAGTGGACATCCAGAACTTCTCTCCAGCTGGAGTGGATGGGCTTCT
 TGTGCCCTGGTGCAATTTCTCTCCCTGAGGCTTTTACTATGGGAGCTGAGCCACAAAACCGACGCC
 AGAACTTTGAAATGGCTTCTCATCCGCTGAGATGCTGGTGGACTGTGTACCCTTGGTGGAGGTGGAGGA
 CATGATGATCATGGGCAAAAAGCCGACCCCAAGTGCCTTTCACCTATGTGCAATCGTGTACAACCAC
 CTGCGGCCCATGAGTGCCTTTCGGCGCAAGAATGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001284427
Insert Size:	2772 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001284427.1</u> , <u>NP_001271356.1</u>
RefSeq Size:	3181 bp
RefSeq ORF:	2772 bp
Locus ID:	29856
UniProt ID:	<u>Q921U8</u>
Cytogenetics:	11 A1
Gene Summary:	Structural protein of the cytoskeleton.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) encodes the longest isoform (a).