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Product datasheet for MC229176

Smtn (NM_001284428) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smtn (NM_001284428) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smtn
Synonyms:	smsmo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC229176 representing NM_001284428
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGACGAGGCTTTAGCTGGGCTGGATGAAGGAGCCCTCCGAAAACTGCTGGAGGTCACTGCAGATC
TGGCAGAACGGCGGCGGATCCGCTCAGCCATCCGGGAGCTGCAGCGACAGGAGCTGGAACGAGAAGAGGA
GGCTCTGGCGTCCAAACGTTTCCGTGCTGAGCGGCAAGACAACAAGGAGAACTGGCTACACTCTCAACAG
CGAGAAGCTGAACAGCAGGCCGCCCTCGCACGATTGGCAGGGAGACTGGAGTCCATGAATGATGTCGAGG
AGTTGACCACACTGCTTCGGAGTGCCGGTGAATATGAGGAGCGCAAGCTGATCAGAGCTGCCATCCGCCG
AGTGCGAGCTCAGGAGATTAAGGCTGCCACCTTGGCTGGGAGACTGTGCAGTAGACTTCCCAGTAGTGGC
CCCCGAGAGGACAGCAGGAGGCAGGCAGCACACACATTGGACCCTGGTAAGGTGCCAGAGCCAGAGCAGC
AGGAACAGCAGACAGAAGTACTCGAGCCAACCCCAACCCCAGAGGACACCAGCCAGGATGTGACCACAGT
GACACTCCTGCTGAGGGCCCCGCCTGGGGGCAGGCCCAGCTCACCTGCTTCCCCCCACAATTCACCCACC
AGTGCCTCTCCAGAGCCTCTGCTGGAGCCTGCTGGAGCCCAGTGTCCTGCTGTGGAGGCTCCAGTCAGCT
CTGAGCCACTTCCACACCCTTCAGAAGCTCCTAGCCCTGAGCCCCCCATGTCGCCGGTACCGTCCAGCTC
TCGGGGGCGGGTCATCAGCAAGCCCCTGCCTGGCCCCACAGAGCCCTCAGATACCTTGGACTCCATCAGA
GGCTTCTCCAACACTAAGAGAGCAGACCCGTCTGAAACGAAATCCTGCCAACGTTCACTATCTGTGCTCA
GTCCCCGACAACCAACCCCAAATCGAGAGCCAACCTCACTTGCAGGACCGTCCCAGTTCCGTCGAGTTGG
CTCTGTGAGAGACAGAGTCCAAAAGTTCACATCTGATTCTCCCGTGGTTGCCAGGCTCCAGGATGGCCCA
CCCCGAACAGCCCTTGCTTCACCGACCCCCACAAGGCTCCCGGGCCCTTCCCTCATCAGCACCACCCCTG
CCTCCTCCTCCTCCAGCAACTCCTCCTCTCCGAGTCCCAGTGACACTTCCTCCCACAAGAAGCAGAGAGA
ACTTGCTCATTCCCTGGCCGAGCTTCAGAGCTGCCCTCAAGAGGAGGGCCCTGGGGGGCGGGGCTTGGCT
CTCAGGTCCCTTGAAAACAGAGCAGGGGGGCCCAAGCCCTGCTCAGAAGAGCCCAGTACCCCACCGCCCG
TGGCCGTTGGCACTGGGGAGCCAGGGGGCAGTATGAAGACTACGTTTACCATTGAGATCAAGGATGGCCG
TGGTCAGGCCTCCACAGGCCGGGTGCTGCTGCCCACAGGCAACCAGAGAGCAGAATTGACTTTGGGATTG
CGGGCACCCCCAACCCTTCTCAGCACCAGCAGTGGGGGCAAGAACACCATCACCCACATCAGCAACCCTG
GGACTGTGACCCGACTGGGCAGTGTCACTCACGTCACTACCTTCAGCCATGCCTCCCCTGGTAACCGAGG
AGGCTGCAACTTTAAGATGGAGCCAGATCCTGCAGAGCCCCCCTCCACCACAGTGGAAGCAGCTAATGGC
GCAGAGCAGGCTCGAGTGGACAAAGGCCCAGAGGGGCGGAGTCCCCTGAGTGCAGAGGAGCTGACGGCCA
TTGAGGACGAAGGAGTCCTGGACAAGATGCTGGACCAGACTACGAACTTTGAGGAGAGGAAGCTCATCCG
GGCTGCACTGCGTGAGCTCCGACAAAGAAAGAGAGACCAGAGGGACAAGGAACGAGAACGGAGGCTACGG
GAGGCACGGGCCCGGCCGGGCGAGAGCCGAAGCAATGTGGCCACGGAGACCACCACCAGGCACAGCCAGC
GGGCGGCTGATGGCTCTACTGTCGGCACAGTTACCAAAACCGAGCGCCTCGTTCACTCCAATGATGGCAC
TCAGACGGCCCGCACCACCACAGTGGAGTCCAGTTTCATGAGGCGCTTGGAGAATGGCAGCAGCAGCAGC
AGCACCACCACCACCACGGTCCAAACCAAGAGTTTTTCCTCTTCCTCTTCCTCGTCCTCGTCCAAAAAGA
TGGGCAGTATCTTCGACCGAGAGGACCAGACCAGCTCACGTCCTGGCAGCCTGGCAGCCCTTGAAAGACG
CCAGGCAGAGAAGAAGAAAGAGTTAATGAAGGCACAGAGTCTGCCCAAGACTTCAGCATCCCAAGCACGC
AAGGCCATGATTGAGAAGCTAGAGAAAGAAGGCTCTGCAGGTGGTCCTGGCACACCCCGTACAGCTGTAC
AGCGTTCTACCAGCTTCGGAGTCCCCAACGCCAATAGCATCAAGCAGATGTTGCTGGACTGGTGCCGAGC
CAAGACCCGCGGCTACGAGCACGTGGACATCCAGAACTTCTCCTCCAGCTGGAGTGATGGGATGGCCTTC
TGTGCCCTGGTGCACAATTTCTTCCCTGAGGCTTTTGACTATGGGCAGCTGAGCCCACAAAACCGACGCC
AGAACTTTGAAATGGCCTTCTCATCCGCTGAGACCCATGCGGACTGCCCGCAGCTCCTGGATACAGAGGA
CATGGTGCGGCTTCGAGAGCCAGACTGGAAGTGCGTGTACACGTACATCCAGGAGTTCTACCGCTGTCTG
GTCCAGAAGGGGCTGGTAAAAACCAAAAAGTCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

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ACCN:	NM_001284428
Insert Size:	2766 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:	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:	NM_001284428.1, NP_001271357.1
RefSeq Size:	3454 bp
RefSeq ORF:	2766 bp
Locus ID:	29856
UniProt ID:	Q921U8
Cytogenetics:	11 A1
Gene Summary:	Structural protein of the cytoskeleton.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) differs in the 5' UTR, the 3' UTR, and the 3' coding sequence compared to variant 3. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a. Variants 1, 2, and 4 all encode the same isoform (b).

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