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Product datasheet for MC205699

Smtn (NM_013870) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smtn (NM_013870) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smtn
Synonyms:	smsmo
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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>BC010599
CTGAACCGGCCTGGGCTCCTGGGCTGCGGCTCCTCCCGTCGGTCTGCCGGTCTCTACTGCATCTACCGGG
TCCCGACCAAACTAACACGAAACTGCGCCGGAACGGCGGGCCGGACTGAGAGAATTCTGAGTGCCACCAG
GACCTGGCGGGAGCTGACATACTGAAGGAATTAGGGGCCAGCAAGATGGCAGACGAGGCTTTAGCTGGGC
TGGATGAAGGAGCCCTCCGAAAACTGCTGGAGGTCACTGCAGATCTGGCAGAACGGCGGCGGATCCGCTC
AGCCATCCGGGAGCTGCAGCGACAGGAGCTGGAACGAGAAGAGGAGGCTCTGGCGTCCAAACGTTTCCGT
GCTGAGCGGCAAGACAACAAGGAGAACTGGCTACACTCTCAACAGCGAGAAGCTGAACAGCAGGCCGCCC
TCGCACGATTGGCAGGGAGACTGGAGTCCATGAATGATGTCGAGGAGTTGACCACACTGCTTCGGAGTGC
CGGTGAATATGAGGAGCGCAAGCTGATCAGAGCTGCCATCCGCCGAGTGCGAGCTCAGGAGATTAAGGCT
GCCACCTTGGCTGGGAGACTGTGCAGTAGACTTCCCAGTAGTGGCCCCCGAGAGGACAGCAGGAGGCAGG
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GCCCAGAGGGGCGGAGTCCCCTGAGTGCAGAGGAGCTGACGGCCATTGAGGACGAAGGAGTCCTGGACAA
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GCCGAAGCAATGTGGCCACGGAGACCACCACCAGGCACAGCCAGCGGGCGGCTGATGGCTCTACTGTCGG
CACAGTTACCAAAACCGAGCGCCTCGTTCACTCCAATGATGGCACTCAGACGGCCCGCACCACCACAGTG
GAGTCCAGTTTCATGAGGCGCTTGGAGAATGGCAGCAGCAGCAGCAGCACCACCACCACCACGGTCCAAA
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CCAGACCAGCTCACGTCCTGGCAGCCTGGCAGCCCTTGAAAGACGCCAGGCAGAGAAGAAGAAAGAGTTA
ATGAAGGCACAGAGTCTGCCCAAGACTTCAGCATCCCAAGCACGCAAGGCCATGATTGAGAAGCTAGAGA
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AAAAGTCCTAACCCCTGCTTGGGGCCCCACGGATGCTGGTGGACTGTGTACCCTTGGTGGAGGTGGAGGA
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AACACCTCTCCCCTTTGTACACACGCAGCGTTTTGATAAATTATTGGTTTTCAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI

ACCN: NM_013870

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).
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:	BC010599, AAH10599
RefSeq Size:	3285 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 (2) differs in the 3' UTR and 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).