

## Product datasheet for **RN212752**

### **Smtn (NM\_001013049) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Smtn (NM_001013049) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smtn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN212752 representing NM\_001013049  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGATGAGGCCTTGGCTGGCTGGATGAAGGAGCCCTCCGAAAACCTGCTGGAGGTCACAGCAGATC  
 TGGCAGAACGGCGCGGATCCGTTTCAGCCATCCGGGAGCTGCAGCGGCAGGAGCTAGAACGAGAAGAGGG  
 GGCTCTGGCATCCAAACGTTTCCGTGCTGAGCGGCAAGACAACAAGGAGAAGTGGCTACACTCTCAACAG  
 CGAGAAGCCGAGCAACAGGCCGCCCTCGCACGGTTGGCAGGGAGACTGGAGTCCATGAACGATGTAGAGG  
 AGTTGACCACACTGCTTCGGAGTCTGGTGAATACGAGGAACGCAAGTTGATCCGAGCCGCCATCCGCCG  
 TGTGCGAGCTCAGGAGATCGAAGCTGCCACCTTGGCTGGGAGACTATGCAGTAGACTTCCCAGTAGTGGG  
 TCCCGAGAAGACAGCAGGAGGCAGGCAGCACACATTGGACCCTGGTAAGGTGCCAGAGGAAGAGAAAAC  
 AGGGACAGCAGACAGAAGTACGAGAGCCAACTCCGACACCAGAGGACACCAGCCAGGATGTGACCACAGT  
 GACTCTCTGCTGAGGGCCCCGCTGGGGGCACGCCAGCTCACCTGCCCTCCCCTGACAGTTCGCCACC  
 ACGGCCTCTCAGAGCCTCTGCTGGAGCCTGCTGGGGCCAGTGTCTGTGCTGAGGCTCCAGTCAAGT  
 CTGAACCACTTCCCTCACCTTCAGAAGCTCCCAGCCCTGAGCCTCCCATGTGCGCCGGCACCCCAAGCTC  
 TCAGGGGCGGGTCATCAGCAAGCCCTGCTTGGCTCCACAGAGCCCTCTGATACCGTGGACTCCACCAGA  
 GGCTCCTCTAACACTAAGAGAGCAGACCTGGCTGAACCGAAAACCTGCCAACGCTCCCTGTCTGTGCTCA  
 GTCCCCGACAGCAACCCAAAATCAAGAGCCAACCCCTCTTGCAGGATCATCCCAGTTCGGTCGAGCTGG  
 CTCTGTGAGAGACCGAGTGGCAAGTTCACATCTGACTCTCTGTGGTTGCCAGGCTCCAGGATGGCCCA  
 CCCCAGACAGCCCTCGCTTCACCGACCCCCACAAGGCTCCCGGGCCCTCCCTCATGAGCACCACCTTG  
 CCTCCTCTCTCTCCAGCAACTCCTCTCCAAGTCCCAGTGACACTTCTCCACAAGAAGCAAAG  
 AGAAGTTGCTCATTCCCTGGCCACGCTTCAGAGTTGCCCTCAAGAGGAGGGCCCTGGGGGGCGGAGCTTG  
 GCTCCCAGGTCCCTTGAACAAGAGCAGGGGGGCCAGGCCCTGCTCAGAAGAGCCAGTACCCACCAC  
 CCGTGGCCGTCGGCACTGGGAGCCAGGGGGCAGTATGAAGACTACATTTACCATTGAGATCAAGGATGG  
 CCGTGGTCAGGCCTCCACAGGCCGGTGGTGTGCTACAGGCAACCAGAGAGCAGAAGTACTCTGGGA  
 CTGCGGGCACCCCTACCCTTCTCAGCACCAGCAGTGGGGCAAGAACCACATCACCCACGTGAGCAGCC  
 CTGGGACTGTGACCCGACTGGGAGTGTACTCATGTACTACCTTACGCCATGCCTCCCCTGGTAACCG  
 AGGAGGCTGCAACTTTAAGATGGAGCCGATCCAGCAGAGCCCCCTCTGCCACAGTGAAGCAGCTAAT  
 GGAACAGAGCAGACTCTGGACAAAGTGAACAAAGGCCAGAGGGGCGGAGCCCCCTGAGTGCAGAGGAGC  
 TGATGGCCATTGAGGACGAAGGAATCCTGGACAAGATGCTGGACCAGGCTACGAACCTTGAAGAGCGGAA  
 GCTCATCCGGGCTGCGCTCCGTGAGCTCCGACAAAGAAAGAGAGACCAGAGGGACAAAGGAACGAGAACGG  
 CGGCTACGAGAGGCACGGGCCCGGCCAGGCGAGAGCCGAAGCAATATGGTACTACAGAGACCACCACCA  
 GGCACAGCCAGAGGGCGGCTGATGGCTCGGCGGTGAGCAGTACCAAAACTGAGCGGCTCGTCCACTC  
 CAATGACGGCACGCAGACTGCGCGCACCACACAGTGGAGTTCGAGTTTCGTGAGGCGCTCGGAGAATGGC  
 AGCAGCAGCAGCAGCAGCACCACGGTCCAAACCAAGACCTTTTCTCTTCTCTCTCTCAAAAAAA  
 TGGGCAGTATCTCGACCGAGAGGACCAAAACAGCTCACGTTCTGGCAGCCTGGCGGCCCTCGAAAAACG  
 CCAGGCAGAGAAGAAGAAGAGCTCATGAAGGCACAGAGTCTGCCAAGACCTCAGCGTCCCAAGCACGC  
 AAGGCCATGATTGAGAACTAGAGAAGGAAGGCTCTTCGGCAGTCTGGCACACCCCGTACAGCGGTAC  
 AGCGTTTACCAGCTTCGGAGTCCCAACGCAACAGCATCAAGCAGATGTTGCTGGACTGGTGGCGAGC  
 CAAGACCCGTGGCTACGAGCAGTGGACATCCAGAACTTCTCCTCCAGCTGGAGTGGATGGGATGGTTTC  
 TGTGCCCTGGTGACAATTTCTCCCTGAGGCTTTTACTATGGACAGCTTAGCCCAAAAAACCGGCGCC  
 AGAACTTTGAAATGGCCTTCTCATCTGCTGAGACCCATGCGGACTGCCCGCAGCTCTGGATACAGAGGA  
 CATGGTGGGCTTCGAGAGCCTGACTGGAAGTGGTGTACACGTACATCCAGGAGTTCTACCCTGTCTG  
 GTCCAGAAGGGGCTGGTAAAAACAAAAAGTCC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001013049

<b>Insert Size:</b>	2766 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001013049.2</a></u> , <u><a href="#">NP_001013067.2</a></u>
<b>RefSeq Size:</b>	3307 bp
<b>RefSeq ORF:</b>	2766 bp
<b>Locus ID:</b>	289734
<b>Cytogenetics:</b>	14q21