

Product datasheet for **MC216089**

Smtnl1 (NM_024230) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smtnl1 (NM_024230) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smtnl1
Synonyms:	1110030K22Rik; CHASM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216089 representing NM_024230
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCAGACAGAAGGGAACCTCTGAGGATGGGACCCTGTCTCCCAACTGCAGGGAATCTTGAGA
 CACCAGGAAGTCAAGGCATTGCAGAGGAGTGGCCGAAGGCACAGTTGGGACAAGTGACAAAGAAGGGCC
 TTCAGATTGGGCAGAACATTTGTGTAAGCAGCATCTAAGAGTGGCGAATCAGGGGGTCCCCAGGGGAA
 GCAAGTATATTAGATGAGCTCAAGACAGACTTGAAGGGGAAGCCAGAGGGAAGGACGAAGCCCAGGGTG
 ACCTTGCTGAGGAGAAGTTGGGAAGGAAGACACCACAGCGGCTTCTCAGGAAGACTGGTAAGAAAGA
 AGAAACAAAACCTGAACCAATGAAGTTAGGGAGAAAGAGGAGGCCATGCTGGCCTCGGAGAAGCAGAAG
 GTTGATGAGAAAGAGACCAATCTAGAATCTAAGGAGAAATCGGATGTGAATGACAAAGCCAAGCCTGAAC
 CCAAGGAGGATGCTGGAGCAGAGTTACTGTCAACGAGGCTGAGACTGAGTCTCAGGAGGAGGCTGATGT
 GAAGGACCAGGCCAAGCCGAGCTTCCAGAAGTTGATGGGAAAGAGACCGGAAGTGACACAAAGGAGTTG
 GTGGAGCCAGAGAGTCCCACTGAAGAGCAAGAGCAGGGTAAGGAAAATGAATCAGAAGAAAGGGCTGCAG
 TGATCCAGCTCCCCGAGGAGTGGCCCGAAAGCCCCACAGATGAGGGGCCAGCCTCAGCCCAGATGG
 ATTGGCTCCAGAGTCTACAGGAGAGACCAGTCTTTCAGCCAGTGAATCTTCGCCAGTGAGGTGCCAGGG
 AGTCCCACAGAGCCTCAACCTCAGAGAAAAAGGAATCGAGCACCAGAACGCAGAGTGTCCGGCACCCA
 GCCGGCCCCGGGGCCCCGTGCACAGAATCGGAAGGCCATCATGGACAAATTTGGCGGGCAGCCTCTGG
 CCCACTGCACTGTTCCGGAACACAAAGGCAGCCGGGGCAGCCATCGGTGGTGTCAAGAACATGCTTTTG
 GAGTGGTGCCGGCCATGACGAGAAACTACGAGCACGTGGATATCCAAAACCTTCTCTCCAGCTGGAGCA
 GCGGCATGGCCTTCTGTGCCCTCATCCACAAGTTTTTTCCAGAAGCCTTTGACTATGCAGAGCTGGACCC
 AGCAAAGCGCCGGCACAACTTCACCTAGCTTTCTCGACTGCAGAGAAACTAGCCGACTGTGCCAGCTG
 CTGGAGGTGGATGACATGGTGGCGCTGGCAGTGGCCGATTCCAAGTGTGTCTACACCTACATCCAGGAGC
 TATACCGTAGCCTTGTGCAGAAAGGGCTGGTGAAGACGAAAAAGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_024230
- Insert Size:** 1380 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024230.2 , NP_077192.1
RefSeq Size:	1761 bp
RefSeq ORF:	1380 bp
Locus ID:	68678
UniProt ID:	Q99LM3
Cytogenetics:	2 D
Gene Summary:	Plays a role in the regulation of contractile properties of both striated and smooth muscles. When unphosphorylated, may inhibit myosin dephosphorylation. Phosphorylation at Ser-301 reduces this inhibitory activity.[UniProtKB/Swiss-Prot Function]