

Product datasheet for **RN216744**

Smtnl1 (NM_001191739) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smtnl1 (NM_001191739) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smtnl1
Synonyms:	RGD1311701
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216744 representing NM_001191739
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACAGACAGAAGGGAACCCCTCTGAGGATGGGACCCTGTCTCCCAACTGCAGGGAATCTTGCAA
 CACCAGGAAGTCAAGGCACTGCAGAAGAGGTGGCCGAAGCACTGCAGAAGAGGTGGCCGAAGGCACAGT
 TGGGACAAATGACAAAGAAGAGCCTCCAGATGGGGCAGAACATTTGTGTAAGCAGCATCTGAGGGTGGT
 ATATCAGGGGGATGCCAGGTGGAAGCAAGTATATTAGAGGAGCTCAAGACAGACTCGCAAGGGGAGGCCA
 GAGGGAAGGAGGAAGCCAAGGCTGACCTTGCCGAGGAGAAAGGTGGGAAGGAAGACACCACAGTGTCTTC
 TCAGGAAGACACTGGTAAGAAAGAAGAGACAAACCTGAACCCAGTGAGGTTACGGAGAAAGAGGAAGCC
 GTGCTGCCCTTGAGAAGCAGAAGGTTGATGAGAAAGAGACCAATCTAGAATCTAAGGAGAAATCAGATG
 TGAATGATAAGGCTGAGCCTGAATCCAAGGAGGATGCTGGAGCAGAGGTTACTGTCAAAGAGGCTGAGAC
 TGAATCTCAAAGAAGGCTGATGTGAAAGACCAGGCCAGCCTCAGCTTCAGGAAGTTGATGGGAAAGAG
 GCCAGAAGTGACACAAAGGAGTTGGTGGAGCCAGGGAGTCCCCTGAAGAGCAGGAGGAACAAGGTAAGG
 AAAATGAATCAGAAGAAAGGGCAGCGGTGATTCACAGCTCCCCGAGGACTGGCCCGAGAGCCCCACAGA
 TGAGGGGACCAGCCTCAGCCAGATGGGTTGGGTCAGAGTCTACAGCATCTGGAGAGACCAGTGCCTTCA
 GCCAGTGAATCTTCGCCAGTGAGGTGCCAGAGAGCCCCACAGAGCCCCCTCCCTCGGAGAAAAAGAAGG
 AACGGGCACCAGAACGCAGGGTGTGGCCGCCACCCGGCCCGAGGGCCACGTGCACAGAATCGGAAGGC
 CATCATGGACAAATTTGGCGGGGAGCCTCTGGCCCCACTGCACTGTTCCGGAACACAAAGCAGCCGGG
 GCAGCCATTGGTGGTGTAAAGAACATGCTTTTGGAGTGGTCCGGGCCATGACGAGAAACTACGAGCAGC
 TGGACATCCAAAACCTTCTCCTCCAGCTGGAGCAGCGGCATGGCCTTCTGTGCCCTCATCCACAAGTTTTT
 TCCAGACGCTTTGACTATGCAGAGCTGGACCCAACAAAGCGCCCGCACAACTTCACGCTAGCTTTCTCT
 ACTGCAGAGAAACTAGCCGACTGCGCCAGCTGCTGGAGGTGGATGACATGGTGGGCTGCCAGTCCCCG
 ATTCCAAGTGTCTACACTTACATCCAGGAGCTATACCGTAGCCTTGTACAGAAAGGGCTGGTGAAGAC
 GAAAAAGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001191739
- Insert Size:** 1413 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_001191739.1](#), [NP_001178668.1](#)

RefSeq Size: 1636 bp

RefSeq ORF: 1413 bp

Locus ID: 311167

Cytogenetics: 3q24