

Product datasheet for **RN216712**

Smtnl2 (NM_001190998) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smtnl2 (NM_001190998) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smtnl2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216712 representing NM_001190998
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCAACCCCGACGCCGAGGAGGCGCACACGGTGCAGGCGCTGGGCCGTATGAAGCGGCGC
 TGGAGGGTGCCGTGCGTGCCTGCACGAGGACATGCAGGGGCTGCAGCGCGGCTGGAGCGGCGCGTGGC
 CGAGGGCGTGCCTGGCTGGCCCTTGCTCGCACTGTGGCCGAGCTGCAGCGGACAACCAGAGGTTG
 CAGGCGCAGCTCGAACGCTTGACCCGCCAGGTGGAGGCGCTGGGCTTGGCGACTGGTGTGTCCCCTGCAC
 CCGGCACGCCTAGTCCGCTCCAGCGACCAGGTTACAGACCGCGCCCCCGCTGGGCACCGCGCGCTT
 CTCAGTCATGCTACATTCTCGCTGTCCGGTGAAGCCCGAGCATGGAACATGATGAAGTCAGTGACCTC
 GAGGCGAGACGAACCTCAAACCTATGCATCATGGAGAATGGACACCAGCTGGATGCAGGTTACGCCAACG
 GATCCTCTGAGGTCCAAGCCTCATCAGCCAGGAGTCCCCTAGACCACGCCCTGTGAGCCTCTCCTTGGC
 GCTGCCACCAGCCGGTACAGCTGTACCCGAGTCTCTGAGAAATTCTCTGGGGAGACCTCAGCTTCA
 GCTCTGTACCCACATCTGCTGCTATTGTGGGGGGCTTACCCCAAGCCCTAGTGAGGCCATCAGTCCTT
 GGACTCCTAGTCCCACTGAGAAAAGTTCCTCCTTACACGGTCTTTGTCTGGCTCTGGGTATGGAGCAGT
 GACAGCTGGCAAACGCAAGGACAGCCCTCCACTGGTGACCCACACAGTACCCCATCCTCACAGCCT
 CCAGCTATGACTCAGGCCCTCGCCAGGGAGAGCGTCGCAGGGAAGTGGTGGGTCGAGCGCTGCCTC
 GTACTTCAGGGGCGCAGGCTCGGAAGGCGCTGTTGAGAAGTGGGAGCAGGACACAGCAAGCAAGGGCAA
 AGGTGAGACCAGGGCCAAACTAAAGAGGTGCAGAGTTTCGGTGTGGCCAGTGCCAGCAGCATCAAGCAG
 ATCCTGCTCGAGTGGTGGCGCAGCAAGACTGTGGGCTATCAGCATGTGGACCTGCAGAATTTCTCCTCCA
 CCTGAGTCCCACACAAAGGCAGAAGAATTTGAACTGGCCTTACCATGGCTGAGAATCTGGCCAAGTGT
 GAGCGCCTCATTGAAGTGGAGGATATGATGGTGTGGGCCGAAGCCGGACCCCATGTGCGTTTTACCT
 ACGTGCAGTCGCTCTACAACCACCTGCGTCGCTTTGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001190998
- Insert Size:** 1371 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_001190998.1](#), [NP_001177927.1](#)

RefSeq Size: 2438 bp

RefSeq ORF: 1371 bp

Locus ID: 679629

Cytogenetics: 10q24