

Product datasheet for **RN210438**

Sgsm2 (NM_001107020) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgsm2 (NM_001107020) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sgsm2
Synonyms:	Rutbc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210438 representing NM_001107020 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGCAGCGCAGAGGACGCAGTCAAAGAAAAGCTGCTGTGGAACGTGAAAAAGGAGGTGAAGCAAATCA
TGGAAGAGGCTGTACCAGGAAATTCGTACATGAAGATAGCAGCCACATCATTGCTCTGTGTGGTGTCTGT
GGAGGCTTGCCCTCTACATCAGCTAAGGCGCCGTGCTGCGGGCTTCTGCGAAGTGACAAGATGGCGGCC
CTGTTACAAAAGTGGGAAGACATGTCCCGTGGCTGGAGATATCTGCCACAAGGTTCAAGGAGCTGCAGC
AACAGGCAGAGGGCAGGAGACCCTCGGGAGGCAGCCAAGAAGCCCTTCGGAACAAGGTTCAAGCAGTGG
GAAGACCACAGCTCTCAGCCACAGGCCTTGAAACACATATGGGTACGCACAGCACTCATGGAGAAAGTT
CTGGACAGGGTTGTACAATACCTGGCCGAAAATGCAGCAAGTATTACGAGAAGGAAGCGTTGTTGGCAG
ACCCTGTGTTTGGCCCAATCCTGGCATGTCTCCTAGTGGGACCCTGTGCCTTGGAATACACGAAGCTCAA
GACAGCTGACCACTACTGGACTGACCCCTCTGCTGATGAGCTAGTTCAAAGGCACCGTATCCGGGGTCCC
CCTAACCGTCAGGACTCCCCAGCAAAGCGTCTGCCCTGGGGATCCGGAAGCGCCACTCTAGTGGGAGTG
CTTCGGAAGACCGGCTAGCTGCCTGTGCCCGTGAATACGTGGAGTCTCTGCACCAGAATTAAGAACACG
GCTGCTCTATGGGAAGAACAACGTGCTGGTGCAGCCGAAGGAGGACATGGAGGCAGTCCCTGGCTACCTC
TCCCTGCACCACTCTGCAGAGAACCTAACCTGAAGTGGACTCCCAACCAACTCATGAATGGGACTCTCG
GGGACTCGGAGCTAGAAAAGAGTGTGTACTGGGACTACGCCTTGGTGGTGGCCCTTCAGTCAGATCGTCTG
CGTCCACTGCCACCAGCAAAAAGAGCGGTGGCACGCTTGTGCTGGTGGAGCCAGGATGGCATCCAGAGGCCG
CCACTACACTTCCACAGGGAGGACACCTGCTGTCTTCTCTGTCTGTCTGGAGAATGGGCTGCTGCCTC
GTGGACAGCTTGAGCCCCGCTGTGGACCCAGCAGGGAAGGGCAAGGTTTTCCCAAGCTACGGAACG
CAGCAGCATTCCGTCCATTGATGCGGAGGAGCTTGGTGTGGACGGGCAACAGACTATGTGTTCCGGATC
ATCTACCCTGGACATAGGCATGAGCACAATGCCGGCGACATGATTGAGATGCAGGGTTTTGGACCCAGCC
TGACTGCCTGGACCTGGAGCCTCTGTGTAGCCAGGGCTCCTCCTGTCTTCTGCCCTCCAGCAGCTC
CCCATATGCACCCCCAGTCATTGCAGTGCACCTCTGACAGGTTGCCCTCAGGCTGCTGTGTGAGAGC



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ATGAAGAGGCAGATAGTGTCCCGGGCCTTCTATGGCTGGCTAGCCTACTGTGCGCCACCTGTCCACAGTGA
 GGACACACCTGTCTGCACTGGTGCACCACAACATTATCCACCGGACAGGCCCCGGGGGCTCAGGGGG
 TCTTACCAAGGATGTGTGGAGCAAGTATCAGAAGGACAAAAGAACTACAAGGAGCTGGAGCTGCTTCGG
 CAGGTGTACTATGGGGGTGTGGAACATGAGATTCGCAAGGACGCTTGGCCCTTCTGCTTGGCCACTACA
 AGTTTGGCATGAGCAAGAAGGAGATGGAGCAGGTGGATGCAGCAGTGGCAGCCAGGTACCAGCAGGTGCT
 GGCAGAGTGGAAGGCCTGCGAGGTAGTGGTGAGGCAGCGGGAGCGGGAGGCTCACCAGCCACGCTCACC
 AAGTTCTCCTCGGGCAGCAGCATCGATAGCCACGTACAGCGCCTTGTGCACCGGGATTCCACCATCAGCA
 ATGATGTGTTTATCTCTGTGGATGATCTAGAGCCCCCTGGGCCTCAGGACCCTGAAGATTCCAAACCAAA
 GCAGGAACGGGAACAGGAGCTGGGACTCCGGGCACGGCCGCTGCAGAGCAGCAGTCTGTGGAGTTTGAG
 TCTCCAGACTCCGGGCTGCCTTCTCCCGCACTACTCCGTGGCCTCAGGCATCCAGTCCAGCCTAGATG
 AGGCCCAGAGTGTGGGCTTTGAAGAAGATGGTGTGGAGAAGAAGGCTCCGAAGAGCCAGCCACTGCAGC
 CCACACTTTCCTTGACCCACGATCCAGACCAGGAGAAGCTTGACCTGCCAGTGAGCTTGAAGGCGGG
 GAGGAGCTCACAGCTGTGTGTGCTGCCACCTATACTATAGAATTACTGGACACCGTGGCCTTAAATCTGC
 ACCGCATAGACAAGGACGTGCAGAGGTGTGACCGCACTACTGGTACTTCAGACCCCCAACCTTGAGAG
 GCTCAGAGACATCATGTGCAGCTACGTGTGGGAGCATCTGGATATGGGTTACGTGCAGGGCATGTGTGAT
 CTCTGGCACCTCTCTAGTCATCTTGACAATGACCAGCTGGCCTACAGCTGCTTCAGCCACCTCATGA
 AGAGGATGAGCCAGAACTTCCCAATGGGGGTGCCATGGACACCCACTTTGCCAACATGCGTTCCCTCAT
 CCAGATCTTGACTCAGAGCTATTTGAGCTGATGCACCAAAATGGAGACTATACCCACTTCTATTCTGT
 TATCGCTGGTTCCTGCTGGATTTTAAAGAGAGCTGCTGTATGAGGAGGTGTTTCGAGTGTGGGAGGTGA
 TCTGGGCGGCCAGGCACATCTCCTCAGAGCACTTTGTCTGTTTCATCGCCCTGGCCCTGGTGGAGGCCTA
 CAGAGAGATTATCCGTGACAACAACATGGACTTCACTGACATCATCAAATTTCTCAATGAGCGGGCTGAG
 CGGCACGATGCTCAGGAGATCCTGCGGATTGCCCGGGACTTGGTCCACAAGGTGCAGATGCTCATAGACA
 ACAAGTGA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001107020

Insert Size: 3018 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: NM_001107020.1, NP_001100490.1

RefSeq Size: 4712 bp

RefSeq ORF: 3018 bp

Locus ID: 303304

Cytogenetics: 10q24