

Product datasheet for **RN208650**

Sgsm3 (NM_198787) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgsm3 (NM_198787) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sgsm3
Synonyms:	bdif-1; Rutbc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208650 representing NM_198787
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTAGATCTATGAAGAGCTGCCATCGTCCACAGCACATGATGTCAGGAAACCACACGCCTTCTGCTA
 GTGGCCCTTTCTCTGCCCTGACTCCAAGCATATGGCCCCAGGAGATCCTGGCAAAATCCTCACAGAAGGA
 AGACTCCTCAGAGCCAGAGATCTGCTATGATGAGTTTGGTTTCCGAGTGGACAAGGAAGGTTCTGAGCCT
 GGATGCAGCCAGATGGCAGGCACACCCCTGGTAGAGGATCCCCCTCAGAGGCTACGTTGGCAGGCTCACC
 TGGAGTTTACCCACAACCATGATGTTGGGGATCTCACCTGGGACAAGATTGCAGTCTCCCTCCCCGCTC
 TGAGAACTCCGTTCCCTAGTGTGGCTGGCATCCCGCATGGCATGAGGCCACAGTTGTGGATGCGGCTC
 TCTGGGGCACTGCAGAAGAAGAAGAACTCTGAGTTGTCTACCGTGAGATTGTAAGAACAGCTCCAATG
 ATGAGACCATCGCTGCCAAACAGATCGAAAAGGACCTGCTCCGTACCATGCCAGCAACGCCTGCTTTGC
 CAATGTGAACAGCATCGGAGTGGCCCGCTGCGCAGAGTCTTCGAGCACTGGCCTGGCTCTATCCAGAG
 ATTGGCTACTGCCAGGGACAGGCATGGTGGCTGCCTGTCTCCTGCTGTTCTGGAGGAGGAGGACGCCT
 TCTGGATGATGTGTGCCATTATTGAGGACCTGCTGCCTGCCTCCTACTTCAGCACCAACCTGCTAGGTGT
 CCAGACTGACCAGCGGGTCTGCGCCACCTGATTGTCCAGTACCTGCCTCGCTTAGACAAGCTGTTGCAG
 GAGCATGACATTGAGCTGTCTCTGATCAGCTGCACTGGTTCTCACGGCCTTCGCCAGCGTGGTGACA
 TCAGACTGCTGTGCGCATCTGGGACCTGTTCTTCTACGAGGGCTCCCTGGTGTGTTCCAGACTACGCT
 GGGCATGTGCGCCTTAAGGAGGAAGAGCTGATACAGTCGGAGAAGTACAGCTCCATCTTCAACACGCTG
 TCGGACATCCCTGCCAGATGGATGATGCAGAGCTGCTGCTGGGGAGGGCATGCAGCTGGCTGGCTCCC
 TCACTGATGTGGCTGTGGAGACCCAGCGCCGAAGCATCTGGCCTACCTATTGCAGACCAAGGCCAGAC
 CCTGGGGACGAGCACCAACCACCGCTCTCTCAGGTTGTACGGCGAAGGACCCAGCGGAGAAAGTCTGGC
 ATCACCTCCCTGCTCTTTGGAGAGGATGACCTAGAAGCTCTCAAGGCAAAAGAACATCAAACAAACAGAGC
 TGGTAGCTGACCTTCGTGAAGCCATTTTACGTGTGGCACGCCACTTCAGTGCACAGACCCCAAGAACTG
 TAGTGTGGAGCTGACGCCAGACTACAGCATGGAGAGCCACCAGCGGGACCATGAGAACTATGTGGCATGC
 TTACGCAGCCACCGGCGCCGGGCCAAGGCCCTGCTGGACTTTGAGCGTCATGACGATGACGAGCTAGGCT
 TCCGCAAAATGACATCATCACGATCATTTCTCAGAAGGATGAGCACTGCTGGTGGGTGAGCTGAACGG
 CCTGAGAGGCTGGTTTCCAGCCAAGTTTGTGGAGGTCTGGATGAGCGAAGTAAAGAGTACTCCATTGCG
 GGGGATGACTCTGTGACTGAAGGAGTAACAGACCTCGTGCAGGGACCCTCTGCCAGCCCTCAAGGCC
 TATTTGAACATGGATTGAAGAAGCCATCCTTGCTTGGGGGTGCTTGCCACCCCTGGCTGTTTATTGAGGA
 GGCAGCAGGCCGGGAAGTCGAGAGAGACTTTGATTCTGTGTACTCCCGCCTGGTGTCTGTAAAGACCTAC
 AGGTTGGATGAAGACGGCAAAGTCTGACCCCTGAAGAGCTGCTGTACCGGGCCGTGCAGTCTGTGAATG
 TGACCCATGATGCAGCACACGCACAGATGGATGTCAAACCTCCGTTCACTTATCTGTGTGGGGCTCAATGA
 GCAGGTCTACACCTGTGGCTAGAGGTACTCTGCTCCAGCCTGCCACCGTGGAGAAGTGGTACCAGCCC
 TGGTCTTCTGCGCAGCCCTGGCTGGGTCCAGATCAAGTGTGAGCTCCGTGTCTCTGCTGCTTTGCCT
 TCAGCCTCTCCAGGACTGGGAGCTCCCGCTAAGAGAGAGGAGGAGAAGCAGCCACTGAAGGAGGGTGT
 TCAGGACATGCTGGTGAAGCACCATCTCTCAGCTGGGACATAGATGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_198787
Insert Size: 2292 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:	<u>NM_198787.2</u> , <u>NP_942082.2</u>
RefSeq Size:	2854 bp
RefSeq ORF:	2292 bp
Locus ID:	362963
UniProt ID:	<u>Q6P6R7</u>
Cytogenetics:	7q34
Gene Summary:	May play a cooperative role in NF2-mediated growth suppression of cells. May act as a modulator of small G protein RAB- and RAP-mediated neuronal signal transduction and vesicular transportation pathways (By similarity).[UniProtKB/Swiss-Prot Function]