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Product datasheet for SC337136

SGSM3 (NM_001301849) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGSM3 (NM_001301849) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGSM3
Synonyms:	CIP85; MAP; RabGAP-5; RABGAP5; rabGAPLP; RUSC3; RUTBC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC337136 representing NM_001301849.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTTTGGTTTCCGTGTGTACAAGGAAGAGGCTGCGGTGGCAGGCCCACCTGGAGTTCACCCATAAC
CACGATGTGGGGGATCTCACCTGGGACAAGATTGCCGTCTCCCTACCCCGCTCTGAGAAGCTCCGCTCC
CTGGTGCTGGCCGGCATCCCACATGGCATGAGGCCACAGCTGTGGATGCGGCTCTCTGGGGCCCTGCAG
AAGAAGAGGAACTCTGAGCTGTCCTACCGCGAGATTGTGAAGAACAGCTCCAACGATGAGACCATCGCT
GCCAAGCAGATCGAGAAGGACCTGCTCCGCACCATGCCCAGCAACGCCTGCTTCGCCAGCATGGGTAGC
ATCGGGGTGCCCCGCCTGCGCAGGGTGCTCCGGGCCCTGGCCTGGCTCTACCCAGAGATCGGCTACTGC
CAGGGCACCGGCATGGTGGCCGCCTGCCTCCTGCTGTTCCTGGAGGAGGAGGACGCCTTCTGGATGATG
TCTGCCATCATCGAGGACCTGCTCCCCGCCTCCTACTTCAGCACCACCCTGCTGGGTGTCCAGACTGAC
CAGCGGGTCCTGCGCCACCTCATTGTCCAGTACCTGCCTCGCCTGGACAAGCTGCTCCAGGAGCATGAC
ATTGAGCTGTCCCTGATCACACTGCACTGGTTCCTCACGGCCTTCGCCAGCGTGGTGGACATCAAGCTG
CTCCTGCGCATCTGGGACCTGTTTTTCTACGAGGGCTCCCGGGTGCTGTTCCAGCTCACGCTGGGCATG
CTGCACCTCAAGGAGGAAGAGCTGATCCAGTCAGAGAACTCGGCCTCCATCTTCAACACGCTATCGGAT
ATCCCGTCGCAGATGGAGGACGCGGAGCTGCTTCTGGGGGTGGCCATGCGGCTGGCCGGCTCCCTCACC
GATGTGGCCGTGGAGACTCAGCGCCGCAAGCACCTGGCCTATCTCATTGCAGACCAGGGCCAGCTCCTG
GGGGCCGGCACCCTCACCAACCTCTCTCAGGTTGTTCGCCGCAGGACCCAGCGGAGGAAGTCCACCATC
ACTGCTCTGCTCTTCGGGGAGGATGACCTGGAGGCACTCAAGGCCAAGAACATCAAGCAGACGGAACTG
GTGGCTGACCTCCGGGAAGCCATCCTGCGCGTGGCACGCCACTTCCAGTGCACAGACCCCAAAAACTGC
AGCGTGGAGCTGACTCCAGACTATAGCATGGAGAGCCACCAGCGGGACCACGAGAACTACGTGGCGTGC
TCACGCAGCCACCGGCGCCGAGCCAAGGCCCTGCTGGACTTTGAGCGGCACGACGACGACGAGCTGGGC
TTCCGCAAGAACGACATCATCACAATCGTGTCTCAGAAGGACGAGCACTGCTGGGTGGGGGAGCTCAAC
GGCCTGCGAGGCTGGTTTCCAGCCAAGTTCGTGGAAGTCCTGGATGAGCGCAGCAAAGAGGCCCTGTTC
GAACATGGACTGAAGAAGCCATCCCTGCTTGGGGGCGCCTGCCACCCCTGGCTGTTTATCGAGGAGGCT
GCAGGCCGGGAGGTCGAGAGAGACTTTGCCTCCGTGTATTCCCGTCTGGTGCTCTGTAAGACCTTCAGG
TTGGATGAAGATGGCAAAGTCCTGACCCCGGAGGAGCTGCTCTACCGGGCTGTGCAGTCTGTGAACGTG
ACCCACGATGCAGTGCATGCACAAATGGATGTGAAGCTCCGCTCACTGATCTGCGTGGGGCTCAATGAG
CAGGTGCTGCACCTGTGGCTGGAGGTGCTCTGCTCCAGCCTGCCCACCGTGGAGAAGTGGTACCAGCCC
TGGTCCTTCCTGCGCAGCCCGGGCTGGGTCCAGATCAAGTGTGAGCTCCGAGTCCTCTGCTGCTTTGCC
TTCAGCCTCTCCCAGGACTGGGAGCTCCCTGCGAAGAGAGAGGCGCAGCAGCCCCTGAAGGAGGGCGTC
CGGGACATGCTGGTGAAGCACCACCTCTTCAGCTGGGATGTGGACGGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001301849

Insert Size: 1983 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_001301849.1
RefSeq Size:	2810 bp
RefSeq ORF:	1983 bp
Locus ID:	27352
UniProt ID:	Q96HU1
Cytogenetics:	22q13.1
MW:	75.7 kDa
Gene Summary:	May play a cooperative role in NF2-mediated growth suppression of cells.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has multiple differences in the coding region, one of which results in the use of an alternate start codon compared to variant 1. It encodes isoform 2 which has a distinct N-terminus and is shorter than isoform 1.