

Product datasheet for MC211528

Sgms2 (NM_028943) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sgms2 (NM_028943) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sgms2
Synonyms: 4933405A16Rik; 5133401H06Rik; AI854299
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211528 representing NM_028943
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATATCATAGAGACAGCAAACTTGAAGGTCCTTGGAAAGTCAAACCAACGACTCCACCAACACTT
 ACACAAGCCCCACGAAGCTGTAGAGGAAGAGGGCAAAAATGGCAAGGGCAAACCAAGACCTTATCCAA
 CGGTTACGAAAGGGTGCCAAAAATACCCGGACTACATCCAGATTTCCATGCCAACGACTCCAAGAAC
 AAGTTTCCCTGGAGTGGTGAAAAACAGGCATCGCCTTTGTGTATGCGCTCTTCAACCTCATCTGACAA
 CCGTCATGATCACCGTCGTGCACGAGAGGGTCCCTCCCAAGGAGCTCAGCCCTCCGCTCCAGACAAAGT
 TTTTGATTACTTCGACCGGGTCAAATGGGCATTTTCTGTATCAGAAATAAACGGGATGGTATTGGTTGGG
 TTATGGATCACCCAGTGGCTCTTCTGCGTTACAAGTCAATAGTGGGGCGCAGATTCTTCTTCATCATGG
 GAACCTTATACCTGTATCGCTGTATAACTATGTATGTCACACTACGTTACCTGTGCCCGAATGCACCTCCA
 GTGTGCTCCCAAGCTCAATGGAGACTCTCAGGCAAAAATACAGCGGATTCCTCCGGCTGATTTCTGGCGGG
 GGACTGTCTATCACGGGATCTCACATCCTGTGCGGAGACTTCTCTTTCAGCGGCCACACTGTCGTGCTCA
 CACTTACTTACTTGTTTCATCAAAGAATATTCACCTCGTCACTTCTGGTGGTATCACTTGGTCTGCTGGCT
 GCTGAGTGCGGCTGGGATCATCTGCATTCTCGTAGCGCATGAACACTATACCGTGGACGTATCATTGCT
 TACTATATCACAACACGGCTGTTTTGGTGGTACCATTCCATGGCCAACGAAAAGAACTTGAAGGTCTCTT
 CCCAGACGAACCTTCTGTCTCGGCTTGGTGGTCCCCATCTTCTACTTTTTTGAAGAAGATGTGCAAGG
 CTCAATTCCTTGCTGCTTTCTGGCCGCTGTCTGGCCCCCTGGCTGCTTCAAGTCATCGTGCAGAAAG
 TATCCCGGGTCCAGAAGATCGGGGAGGATAATGAGAAGTCTACC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028943



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|-------------------------------|---|
| Insert Size: | 1098 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: | <ol style="list-style-type: none">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_028943.5, NP_083219.2</u> |
| RefSeq Size: | 5791 bp |
| RefSeq ORF: | 1098 bp |
| Locus ID: | 74442 |
| UniProt ID: | <u>Q9D4B1</u> |
| Cytogenetics: | 3 G3 |
| Gene Summary: | Sphingomyelin, a major component of cell and Golgi membranes, is made by the transfer of phosphocholine from phosphatidylcholine onto ceramide, with diacylglycerol as a side product. The protein encoded by this gene is an enzyme that catalyzes this reaction primarily at the cell membrane. The synthesis is reversible, and this enzyme can catalyze the reaction in either direction. The encoded protein is required for cell growth. [provided by RefSeq, Oct 2008] |