

Product datasheet for **SC127607**

Spingomyelin Synthase 1 (SGMS1) (NM_147156) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spingomyelin Synthase 1 (SGMS1) (NM_147156) Human Untagged Clone
Tag:	Tag Free
Symbol:	Spingomyelin Synthase 1
Synonyms:	hmob33; MOB; MOB1; SMS1; TMEM23
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127607 sequence for NM_147156 edited (data generated by NextGen Sequencing)

```

ATGAAGGAAGTGGTTTATTGGTCACCCAAGAAGGTGGCAGACTGGCTGCTGGAGAATGCT
ATGCCAGAATACTGTGAGCCTCTGGAGCATTTCACAGGCCAGGACTTGATCAACCTAACCC
CAAGAGGATTTCAAAAAACCCCTTGTGCCGAGTCTCCTCTGACAATGGGCAGCGGCTC
CTGGACATGATAGAAACCTGAAAATGGAGCACCATTGGAAAGCACACAAGAACGGCCAT
GCCAATGGGCACCTCAACATTGGCGTAGACATCCCCACCCCGACGGCAGCTTCAGCATC
AAGATTAACCCAACGGGATGCCAAATGGGTATAGGAAAGAGATGATAAAGATCCCCATG
CCAGAACTGGAGCGCTCTCAGTACCCCATGGAGTGGGGCAAGACTTTTCTGGCCTTTCTT
TATGCACTTTCTGTTTCGTTCTCACCACAGTGATGATCTCGGTCTCCACGAACGAGTA
CCTCCTAAGGAGTGCAGCCTCCACTACCGGACACATTTTTGACCATTTAACCAGGCTG
CAGTGGGCCTTTTCTATTTGTGAAATTAATGGCATGATCCTTGTAGGACTCTGGTTAATT
CAGTGGCTGCTCTAAAATACAAGTCTATTATTAGCAGAAGATTTTTCTGCATAGTTGGC
ACGCTGTACCTGTATCGGTGTATTACAATGTATGTAACACTACACTCCCAGTACCTGGTATG
CATTTCAACTGTTCTCCGAAGCTTTTCGGAGACTGGGAAGCCCAACTGCGAAGAATAATG
AAGTCATTGCTGGAGGTGGCTTGTCTATCACTGGCTCTCACAACATGTGTGGGGACTAT
CTGTACAGCGGCCACACGGTCATGCTAACACTTACCTACTTATTTATCAAAGAGTATTCC
CCTCGGCGACTCTGGTGGTATCACTGGATTTGCTGGCTTCTCAGCGTAGTTGGAATCTTC
TGTATTCTTAGCGCATGACCACTACACTGTGGACGTGGTGGTGGCATATTACATCACC
ACGAGACTCTTCTGGTGGTATCACACTATGGCCAATCAGCAAGTGCTAAAGGAAGCTTCC
CAGATGAACCTCCTGGCCAGGGTGGTGGTACAGGCCATTTTCAGTACTTTGAAAAGAAT
GTCCAAGGAATTGTACCTCGATCTTACCATTGGCCTTTCCCTGGCCAGTAGTCCACCTC
AGTAGGCAAGTTAAATACAGCCGGCTGGTGAATGACACATAA

```

Clone variation with respect to NM_147156.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_147156 unedited</p> <pre> TTGTAATACGACTCACTATAGGGCGGCCGCAATTGCGCACGAGGCGCACCCCTGAGCGCG AGGAGCCGCGCGCAAACCTGGTGCCCCAGGAACCTTCCAGGAGACACTGCCTCCGGGGAC GAGAGACCAAGGAAGAATCCTGCTCAAAAATGAGGTGAATTAATACTTGGGCGCTCAGGA ACCCTGGACAGCTACATGAGGTGTTAAAACTGCCCTGACCATTGCCAAACAAGTCT CTGCTCATGAGGCCCCACAGGATGAACGAGCCGAGGCAGGACAGTGTCTGCCCTGTCGG AACAGTACTGCTGACCTGCCAAGAGAGAGCTGGGGACTGCCTGCTGTCTGCCAGTACAA TGAAGGAAGTGGTTTATTGGTCACCCAAGAAGGTGGCAGACTGGCTGCTGGAGAATGCTA TGCCAGAATACTGTGAGCCTCTGGAGCATTTCACAGGCCAGGACTTGATCAACCTAACCC AAGAGGATTTCAAAAACCCCTTGTGCCGAGTCTCTCTGACAATGGGCAGCGGCTCC TGGACATGATAGAAACCTGAAAATGGAGCACCATTGGAAAGCACACAAGAACGGCCATG CCAATGGGCACCTCAACATTGGCGTAGACATCCCCACCCCGACGGCAGCTTCAGCATCA AGATTAACCCAACGGGATGCCAATGGGTATAGGAAAGAGATGATANAGATCCCCATGC CAGAACTGGAGCGCTCTCAGTACCCCATGGAGTGGNGCAAGACTNTTCTGGCCTTCTTT ATGCACNTNNTGTTTTGNTCTCACACAGTGATGATCTCNGGTGTCACGACCCAGTA CCCTCCTAAGAGGGCAGNCTNACTACCGACCATTTTTTGACCATTTTAAACGGGTGCAG TGGGGCTTNTCCTATTGTGAAATAATGGCATGATCCTGGTAGACTCTGGTATATCANGGC TGCTTTAAAAAC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_147156 unedited</p> <pre> NNNTTTAGCTCTGGACCGGGCCGCAACTAGNATCGAGTTTTTTTTTTTTTTTTTTTTCT TTTAAAGGATCAGTTTTTAT TAAAAAGGCATTTTGATTAATTTATGATCTAGGGAAGCTGTAATAACAGTATACTCT TTGGAATAATAACTTTACAAAGATTTAAACAAACAAAATTTTAAAGCCTTTTTATTTTC CTTCACCATTTATTGGTTTACAATACAAATATCACCTTGGGAATACCCAAAAAAATCCTAC GGAAAATAATTTTGGTGCCCGTAAAATACAAAAGGGATATATATACTTCTTCATTCTTAA AAAATATTTTGTCTCCACATTGGCAAGTTTAAATAAAATACTTCCCAAAACATATGT TTGTTAGGAGTAAAACCTAAAGTTACATGCAGTTTCTGCACAAATATTTTTTAAAAAAAT AAATCTTTTTTTTGTGTTCCACCAACAAAATTGTATGAAAGTATGGATAACTAATTCAT AGCTTTCAAGTTTTAGGGAAGGGATCATTTTCAAACCTTTTTTAAAAAAAATATTCAT GGGCTGTTTTTCATTGAGTAGTTAAAATTGAACTACCAAATCGACGATAAAAATAATTTAAG GGGACATGTCATTGCTACCTGATCACAATATGTGAACAGGCTCTGACTCTAATTAACAA CCTCATTATTTAAGTCATTGCAATTTTAAACCTAAGCAGTCTTCTGATTCAATTTAGCT ATAATGCAAAATTTAGGAGGGTATACCTATATTTATATTTTTCAGGAAATACTTTATTTTA ATAAAAACCTTTAAGATTGCCTACTGACCTACAATCAAGACGGAAAGGCCTTAAAACCTANA CAAATTTTCTCCAN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_147156
Insert Size:	3200 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_147156.3, NP_671512.1</u>
RefSeq Size:	3767 bp
RefSeq ORF:	1242 bp
Locus ID:	259230
UniProt ID:	<u>Q86VZ5</u>
Cytogenetics:	10q11.23
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, Sphingolipid metabolism
Gene Summary:	The protein encoded by this gene is predicted to be a five-pass transmembrane protein. This gene may be predominately expressed in brain. [provided by RefSeq, Jul 2008]