

## Product datasheet for **SC123376**

### SPNS3 (NM\_182538) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPNS3 (NM_182538) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPNS3
Synonyms:	SLC62A3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_182538 edited  
 CTGGGGGATGTGACGGAGTGCCTGAGCCTGGGCCAGGAGGTCTGCAGGGCCAGTCCC  
 CAGGGCCAGGCAGGCAGTGTCCCCTCCCATCACGCCACCTCTGGAGCCTGCCCCCGT  
 GGAGGGCTACGTGGCTGCCCGCTCTCTGCTACATCAACCTCCTGAATTACATGAACT  
 GGTTCATCATTGCAGGAGTGTGCTGGATATACAGGAGGTTTTCCAGATCAGTGACAACC  
 ATGCTGGTTTGTTCAGACTGTATTCTTGGCTCTTCTCCTGTCCCGGGGCATCGTGGGC  
 ACTGGCTCGGCCAGCTACTCCACCATCGCGCCCACCGTCTGGGCGACCTCTTCGTGAGG  
 GACCAGCGCACCCGCTGCTGGCTGTCTTACATCTTTATCCCCGTTGGAAGTGGTCTG  
 GGCTACGTGCTGGGGTCCGCTGTGACGATGCTGACTGGGAACTGGCGCTGGGCCCTCCGA  
 GTCATGCCCTGCCTGGAGGCCGTGGCCTTGATCCTGCTTATCCTGCTGGTTCCAGACCCA  
 CCCCCGGGAGCTGCCGAGACACAGGGGAGGGGCGTGGGAGGCTTCAGAAGCAGCTGG  
 TGTGAGGACGTCAGATACCTGGGAAAACTGGAGTTTTGTGGTTCGACCCTCGGAGTG  
 ACCGCCATGGCCTTTGTGACTGGAGCCCTGGGGTTCTGGGCCCAAGTTTCTGCTCGAG  
 GCACGCGTGGTTCACGGGCTGCAGCCTCCCTGCTTCCAGGAGCCGTGCAGCAACCCCGAC  
 AGCCTGATTTTTGGGCACTGACCATCATGACCGCGTCAATTGGGGTCATTTGGGGCA  
 GAAGCTTCGAGGAGGTACAAGAAAGTCATTCCAGGAGCTGAGCCCCTCATCTGCGCCTCC  
 AGCCTGCTTGCCACAGCCCCCTGCCTACCTGGCTCTCGTCTGGCCCCGACCACCTG  
 CTGGCCTCCTATGTGTTCTGGCCTTGGGGAGCTGCTTCTGCTCCTGCAACTGGGCACTG  
 GTTGCCGACATCCTGCTGTCTGTGGTGGTGCAGATGCCGGGGACGGCAGAGGCACTT  
 CAGATCACGGTGGGCCACATCCTGGGAGACGCTGGCAGCCCTATCTCACAGGACTTATC  
 TCTAGTGTCTGCGGGCCAGGCGCCCTGACTCCTATCTGCAGCGCTTCCGCAGCCTGCAG  
 CAGAGCTTCTGTGCTGCGCCTTTGTGCTGCGCCTGGGGGGCGGCTGCTTCTGCTGACT  
 GCGCTGTACCTGGAGAGAGACGAGACCCGGGCTGGCAGCCTGTACAGGGACCCAGAC  
 AGCAATGATGTGGACAGCAACGACCTGGAGAGACAAGGCCTACTTTCGGGCGCTGGCGCC  
 TCTACAGAGGAGCCCTGAGGTCCCTGCCTACACTCGTCTGCTGCAAGCCTCCCGTTGG  
 TCCCCACAGCAGCAGTGCCTCGGTTCTCTTTGGCTGCTCCTGGGGACTCCGGCTGAGGC  
 ACATCTGCCACTTTTGAATTCCTGGCTGGAGAGCTGGCAGGACCTGTGGCTGGGCTGGG  
 AATGGAGCTGTCAGCACTCTGCGTGGGAGGCTGGGCCTGTGCCTGCATCCCGCTCAAGG  
 CTGCCCCAGCCTGGGGTCTCCAGCCTGGCTGCTGCTGGGCCCTGAATAAAGAGAGGCCAG  
 TACAAAGCCCATGGATTTTGGGCTGTAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_182538 unedited  
 NNGTGTTCACGATTTGTNAAACGNACTTACTATAGGCGGCCGGAATCGCACGAGCTGGGG  
 GGAGTCACGGATGCCCTGACCTGGGCCAGGAGTCTGCAGGGCCAGTCCCCAGGGCCAGGC  
 AGGCAGTGTCCCCTCCCATCACGCCACCTCCTGGAGCCTGCCCCGTGGAGGGCTAC  
 GTGGCTGCCCGCTCCTCTGCTACATCAACCTCCTGAATTACATGAACTGGTTCATCATT  
 GCAGAGTGTGCTGGATATACAGGAGGTTTTCCAGATCAGTGACAACCATGCTGGTTTG  
 CTTACAGACTGTATTCTTGGCTCTTCTCCTGTCCCGGGCATCGTGGGCACTGGCTCGGC  
 CAGCTACTCCACCATCGCGCCCACCGTCTGGGCGACCTCTTCGTGAGGGACCAGCGCAC  
 CCGCGTGTGGCTGTCTTCTACATCTTTATCCCCGTTGGAAGTGGTCTGGGCTACGTGCT  
 GGGGTCCGCTGTGACGATGCTGACTGGGAACTGGCGTGGGCCCTCCGAGTCATGCCCTG  
 CCTGGAGGCCGTGGCCTTGATCCTGCTTATCCTGCTGGTTCCAGACCCACCCGGGGAGC  
 TGCCGAGACACAGGGGAGGGGCGTGGGAGGCTTCAGAAGCAGCTGGTGTGAGGACGT  
 CAGATACCTGGGAAAACTGGAGTTTTGTGGTTCGACCCTCGGAGTGACCGCCATGGC  
 CTTTGTGACTGGAGCCCTGGGGTTCTGGGCCCCCAAGTTCTGCTCGAGGCACGCGTGGT  
 TCACGGGCTGCAGCCTCCCTGCTTCCAGGACCCGTGCAACACCCCGAAAGCCTGATTTTG  
 GGGCTGACCATCATGACCGCGCTCTTGGGTCATCTTGGGGCAAAAACCTCAAGG

**Restriction Sites:** Please inquire  
**ACCN:** NM\_182538  
**Insert Size:** 1734 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_182538.2](#), [NP\\_872344.1](#)

**RefSeq Size:** 1725 bp

**RefSeq ORF:** 1158 bp

**Locus ID:** 201305

**UniProt ID:** [Q6ZMD2](#)

**Cytogenetics:** 17p13.2

**Protein Families:** Transmembrane

**Gene Summary:** Sphingolipid transporter.[UniProtKB/Swiss-Prot Function]  
 Transcript Variant: This variant (1) encodes the longer isoform (1).