

Product datasheet for **SC323131**

SPNS2 (NM_001124758) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPNS2 (NM_001124758) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPNS2
Synonyms:	DFNB115; SLC62A2; SLC63A2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001124758 edited
 GTCGAGAGCGGGGGGCGGGCCGACGCTGTCAGAGCCGCGGCGGCGAACGAGGCGCAGCG
 AGCTGAGCGGTGGCAGCGCCGACGCCGGGGCCGGAGCGCAGGAGCCGACGGGGCCCGACC
 AGGATGGTGCAGTGGCGGCTCCGCGGCGCACGCACGCGCTGAGCGGGCCAGCCTGGGCC
 CCGCGCCCCCGCGCCCCCGCCCGCCGATCCGGGCCGGCATGATGTGCCTGGAATGCG
 CCTCGGCGGCGGCGGGCGGCGGAGGAGGAGGAGGCGGACGCGGAGCGGCGGCGCGGGC
 GCGGTGGAGTCTCGGCCGCGGGGATGAGGTGCAGACGCTGTCGGGCAGCGTAAGGCGGG
 CCCCAGCCGACCCCGGCACCCCGGCACCCCGGCTGCGCAGCTACTGCAAAGGGCC
 CCGGCGCTCAGCAGCCAAACCGGCCAGCTTGGGCCGCGGGCGGGGGCAGCCGCCGCCA
 TCCTCAGCTTGGGCAACGTGCTCAACTACCTGGACAGGTACACCGTGGCAGGCGTCTTC
 TGGACATCCAGCAGCACTTTGGGTCAAGGACCGAGGCGCGGCTGCTGCAGTCAGTGT
 TCATCTGTAGCTTCATGGTGGCTGCCCCATCTTCGGCTACCTGGGCGACCGCTCAACA
 GGAAGGTGATTCTCAGTCGCGCATTTTCTTCTGGTCGGCCGTCACCTTCTCCAGCTCCT
 TCATCCCGCAGCAGTACTTCTGGCTGCTGGTCTGTCCCGGGGGTGGTGGGCATCGGGG
 AGGCCAGTACTCCACATCGCCCCACTATCATTGGCGACCTTTCACCAAGAACACGC
 GTACGCTCATGCTGTCCGTCTTCTACTTCGCCATCCCAGTGGGCGAGTGGCCTGGGTACA
 TTAAGTGGCTCCAGCGTGAAGCAGGCAGCCGGAGACTGGCACTGGGCATTGCGGGTGTCC
 CTGTCTGGGCATGATCAGGAACACTCATCCTATTCTGGTCCCAGCCACTAAAGGG
 GTCATGCCGACAGCTCGGGGACCAGCTCAAGGCCCGACCTCATGGCTCCGAGATATGA
 AGGCCCTGATTCGAAACCGCAGCTACGTCTTCTCCTCCCTGGCCACGTGCGGTGTCTCCT
 TCGCCACGGGGCCCTGGGCATGTGGATCCCGCTACCTGCACCGCGCCCAAGTTGTGC
 AGAAGACAGCAGAGAGCTGCAACAGCCCGCCCTGTGGGGCAAGGACAGCCTCATCTTTG
 GGCCATCACCTGCTTTACGGGATTTCTGGGCGTGGTCACGGGGGACAGGACCCAGCGCT
 GGTGCCGCTGAAGACCCAGCGGCCGACCCACTGGTGTGTGCCGTGGGCATGCTGGGCT
 CTGCCATCTTCTGCTGATCTTCTGGTGGCTGCCAAGAGCAGCATCGTAGGAGCCTATA
 TCTGTATCTTCTGCGGGAGACGCTGCTGTTTTCTAACTGGGCCACTGTCAGACATCC
 TCATGTACGTGGTCATCCCACGCGGCGGCCACTGCCGTGGCCTTGCAGAGCTTACCT
 CCCACCTGCTGGGGACCGGGAGCCCTACCTATTGGCTTTATCTCAGACCTGATCC
 GCCAGAGCACTAAGGACTCCCCGCTCTGGGAGTTCCTGAGCCTGGGCTACGCGCTCATGC
 TCTGCCCTTTCGTGCTGGTCTGGGCGGCATGTTCTTCTCGCCACTGCGCTCTTCTTCG
 TCAGCGACCGCGCAGGGCTGAGCAGCAGGTGAACCAGCTGGCGATGCCGCCGATCTG
 TGAAGTCTGAGGTGGTGCATTGGGACAATGAAGAACCACACTCCACCTCGTCTGGG
 AGGTGTCTACAGCGTCCGGGACCGGCTGGGCTGCCCCAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001124758
- Insert Size:** 1900 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001124758.1.
- 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_001124758.1</u> , <u>NP_001118230.1</u>
RefSeq Size:	4349 bp
RefSeq ORF:	1650 bp
Locus ID:	124976
UniProt ID:	<u>Q8IVW8</u>
Cytogenetics:	17p13.2
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a transporter of sphingosine 1-phosphate, a secreted lipid that is important in cardiovascular, immunological, and neural development. Defects in this gene are a cause of early onset progressive hearing loss. [provided by RefSeq, Jul 2016]