

## Product datasheet for **SC117485**

### S1PR2 (NM\_004230) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                                  |
| Product Name:             | S1PR2 (NM_004230) Human Untagged Clone               |
| Tag:                      | Tag Free   |
| Symbol:                   | S1PR2  |
| Synonyms:                 | AGR16; DFNB68; EDG-5; EDG5; Gpcr13; H218; LPB2; S1P2 |
| Mammalian Cell Selection: | None   |
| Vector:                   | <u>pCMV6-XL4</u>                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                               |

**Fully Sequenced ORF:** >OriGene sequence for NM\_004230, RT-PCR generated  
 ATGGGCAGCTTGTACTCGGAGTACCTGAACCCCAACAAGGTCAGGAACACTATAATTAT  
 ACCAAGGAGACGCTGAAACGCAGGAGACGACCTCTCGCCAGGTGGCCTCGGCCTTCATC  
 GTCATCCTCTGTTGCGCCATTGTGGTGGAAAACCTTCTGGTGCTATTGCGGTGGCCCGA  
 AACAGCAAGTTCCACTCGCAATGTACCTGTTTCTGGGCAACCTGGCCGCTCCGATCTA  
 CTGGCAGGCGTGGCCTTCGTAGCCAATACCTTGCTCTCTGGCTCTGTCACGCTGAGGCTG  
 ACGCCTGTGCAGTGGTTTGCCCGGGAGGGCTCTGCCTTCATCACGCTCTCGGCCTCTGTC  
 TTCAGCCTCCTGGCCATCGCCATTGAGCGCCACGTGGCCATTGCCAAGGTCAAGCTGTAT  
 GGCAGCGACAAGAGCTGCCGCATGCTTCTGCTCATCGGGGCTCGTGGCTCATCTCGCTG  
 GTCCTCGGTGGCCTGCCATCCTGGCTGGAAGTGCCTGGCCACCTCGAGGCCTGCTCC  
 ACTGTCCTGCCTCTACGCCAAGCATTATGTGCTGTGCGTGGTGACCATCTTCTCCATC  
 ATCCTGTTGGCCATCGTGGCCCTGTACGTGCGCATCTACTGCGTGGTCCGCTCAAGCCAC  
 GCTGACATGGCCGCCCGCAGACGCTAGCCCTGCTCAAGACGGTCAACATCGTGCTAGGC  
 GTCTTTATCGTCTGCTGGCTGCCCGCCTTCAGCATCCTCCTTCTGGACTATGCCTGTCCC  
 GTCCACTCCTGCCGATCCTCTACAAAGCCCACTACTTTTTCGCCGTCTCCACCCGTAAT  
 TCCCTGCTCAACCCCGTCATCTACACGTGGCGCAGCCGGACCTGCGCGGGGAGGTGCTT  
 CGGCCGCTGCAGTGTGGCGCCGGGGTGGGGTGAAGGACGGAGGCGGGGCGGGGACC  
 CCGGGCCACCACCTCCTGCCACTCCGCAGCTCCAGCTCCCTGGAGAGGGGCATGCACATG  
 CCCACGTACCCACGTTTCTGGAGGGCAACACGGTGGTCTGA



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004230 unedited  
 GGGGCGCTAACTTGAGTTTTGTTAACACGTA CTTACTATAGGCGGCCGCGCATTAGATC  
 TGGTACCGAGCTCGGTTCCACTAGTAACGGCCG CCAAGTGTGCTGGAATTCGGCTTATGGG  
 CAGCTTGTACTCGGAGTACCTGAACCCCAACAAGG TCCAGGAACACTATAATTATACAA  
 GGAGACGCTGAAACGCAGGAGACGACCTCTCGCCAGGTGGCCTCGGCCTCATCGTCAT  
 CCTCTGTTGCGCCATTGTGGTGGAAAACCTTCTGGT GCTCATTGCGGTGGCCCGAAACAG  
 CAAGTCCACTCGGCAATGTACCTGTTTCTGGGCAACCTGGCCGCCTCCGATCTACTGGC  
 AGGCGTGGCCTTCGTAGCCAATACCTTGCTCTCTGGCTCTGTACGCTGAGGCTGACGCC  
 TGTGCAGTGGTTTGCCCGGAGGGCTCTGCCTTATCACGCTCTCGGCCTCTGTCTTCAG  
 CCTCTGGCCATCGCCATTGAGCGCCACGTGGCCATTGCCAAGGTCAAGCTGTATGGCAG  
 CGACAAGAGCTGCCGCATGCTTCTGCTCATCGGGG CCGTGGCTCATCTCGCTGGTCTCT  
 CGGTGGCTGCCATCCTTGGCTGGAAGTGCCTGGGCCACCTCGAGGCCTGCTCCACTGT  
 CCTGCCTCTACGCCAAGCATTATGTGCTGTGCGTGGTGACCATCTTCTCCATCATCCT  
 GTTGGCCAACGTGGCCCTGTACGTGCGCATCTACTGCGTGGTCCGCTCAAGCCACGCTGA  
 CATGGCCGCCCGCAGACGCTAGCCCTGCTCAAGAGGTCAACCATCGTGTAGGCGTCTTT  
 ATCGTCTGCTGGTGCCCGCCTTCAGCATCCTCCTTTCTGACTATGCCTGTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_004230 unedited  
 TANGAGCTGGGNAGGGTACAGGGATGCCACCCGGGTTCTGTT CAGGAAACAGCTATG  
 ACCGCGGCCGCCAGTGTGATGGATATCTGCAGAATTT CAGACCACCGTGTGCCCTCCAG  
 AAACGTGGGTGACGTGGGCATGTGCATGCCCTCTCCAGGGAGCTGGAGCTGCGGAGTGG  
 CAGGAGGTGGTGGCCCGGGTCCCGCCCGCCTCCGTCTTGACCCCCACCCCGGCT  
 CCAGCACTGCAGCGGCCAAGCACCTCCGCGCAGGTCCGGCTGCGCCACGTGTAGAT  
 GACGGGTTGAGCAGGAATTCAGGGTGGAGACGGCGAAA AAGTGTGGGCTTTGTAGAG  
 GATCGGGCAGGAGTGGACGGGACAGGCATAGTCCAGAAGGAGGATGCTGAAGCGGGCAG  
 CCAGCAGACGATAAAGACGCCTAGCACGATGGTGACCGTCTTGAGCAGGGCTAGCGTCTG  
 CGGGGCGGCCATGTACGCGTGGCTTGAGCGGACCACGCAGTAGATGCGCACGTACAGGGC  
 CACGATGGCCAACAGGATGATGGAGAAGATGGTACCACGCACAGCACATAATGCTTGGC  
 GTANAGAGGCAGGACAGTGGAGCAGGCCTCGAGGTGGCCAGGCAGTTCCAGCCAAGGAT  
 GGGCAGGCCACCAGGACCAGCGAGATGAGCCACGAGGCCCGGATGAGCAGAAGCATGCG  
 GCAGCTTTGTGCTGCCATACAGCTTGACCTTGCCAATGGGCACGTGGCGCTCAATGGC  
 GATGGCCAGGAGGCTGAAGACAAGAGCCGAGAGCGTGATGAAGG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_004230

**Insert Size:**

1000 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\\_004230.2](#), [NP\\_004221.2](#)

**RefSeq Size:** 1154 bp

**RefSeq ORF:** 1062 bp

**Locus ID:** 9294

**UniProt ID:** [O95136](#)

**Cytogenetics:** 19p13.2

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

**Gene Summary:** This gene encodes a member of the G protein-coupled receptors, as well as the EDG family of proteins. The encoded protein is a receptor for sphingosine 1-phosphate, which participates in cell proliferation, survival, and transcriptional activation. Defects in this gene have been associated with congenital profound deafness. [provided by RefSeq, Mar 2016]