

Product datasheet for MC208580

S1pr2 (NM_010333) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S1pr2 (NM_010333) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	S1pr2
Synonyms:	1100001A16Rik; Edg5; Gpcr13; H218; LPb2; S1P2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208580 representing NM_010333 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGGCTTACTCAGAGTACCTCAATCCTGAGAAGGTTCTGGAACACTACAATTACACCAAGGAGA
CGCTGGACATGCAGGAGACCACCTCCCGCAAGGTGGCCTCGGCCCTCATCATCTTTGTGCTGCGCCAT
CGTGGTGGAGAATCTTCTGGTGTCTATTGCAGTGGCCAGGAACAGCAAGTCCACTCAGCAATGTACCTG
TTCTTGGCAACCTGGCAGCCTCTGACCTGCTGGCAGGCGTGGCCTTCGTGGCCAACACCTTACTCTCAG
GGCATGTCACTCTGTCTTAACCTCCCGTGCAGTGGTTTGCCGAGAGGGTCCGCCTTCATCAGCTCTC
CGCTCGGTCTTTAGCCTCCTGGCCATCGCCATCGAGAGACAAGTGGCCCTCGCCAAGGTCAAGCTCTAC
GGCAGTGACAAAAGCTGCCGAATGCTGATGCTCATCGGGCCTCTTGCTGATATCGCTGATTCTGGGTG
GCTTGCCCATCCTGGGCTGGAATTGCTGAACAGCTGGAGGCCTGCTCCACCGTGTGCTCTCTATGC
TAAGCACTACGTGCTCTGCGTGGTCAACATCTTCTCCGTATCTTACTGGCTATCGTGGCTCTGTACGTC
CGAATCTACTTTGTAGTCCGCTCCAGCCACGCGGATGTTGCTGGTCTCAGACGCTAGCCCTGCTCAAGA
CGGTCAACATCGTACTGGGTGTTTTATCATCTGCTGGTGGCCTTTAGCATCTTCTCTTAGACTC
CACCTGTCCCGTTCGGGCTGCCCTGTCTCTACAAAGCCCACTATTTTTTGCCTTTGCCACCCCTAAC
TCACTGCTCAATCCTGTATCTATACGTGGCGTAGCCGGACCTTCGGAGGGAGGTGCTGCGGCCCTGCT
AGTGTGGCGGAGAGGGAAGGGAGTGACGGGACGACAGAGGTGGGAACCCTGGTCAACGACTCCTGCCTCT
CCGCAGCTCCAGCTCCCTGGAGAGGCGATGCATATGCCTACATCACCGACATTTCTGGAGGGTAACACA
GTGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_010333
Insert Size:	1059 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_010333.4 , NP_034463.2
RefSeq Size:	2815 bp
RefSeq ORF:	1059 bp
Locus ID:	14739
UniProt ID:	P52592
Cytogenetics:	9 7.68 cM
Gene Summary:	<p>Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P) (By similarity). S1P is a bioactive lysophospholipid that elicits diverse physiological effects on most types of cells and tissues (By similarity). Receptor for the chemokine-like protein FAM19A5 (By similarity). Mediates the inhibitory effect of FAM19A5 on vascular smooth muscle cell proliferation and migration (By similarity).[UniProtKB/Swiss-Prot Function]</p>