

Product datasheet for **MC202722**

S1pr1 (NM_007901) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S1pr1 (NM_007901) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	S1pr1
Synonyms:	AI849002; Edg1; Lpb1; S; S1; S1p; S1p1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC049094 sequence for NM_007901
 CCCAGCCTCGGCGGGGCGCTCAGAGACTTCGTCTTGCAAAAGTGGTGCGGGCAGCGCAGGCAGGGCTGGC
 CATTGGAGTGCACCGCTGAGGAGGGAGGGGACCCAGCTCAGGGAACCTTTGCGAGTGAGCTGGTCGCCGT
 CAGTCGCCGACAGCAGCAAGATGCGGATCGCGCGGTGTAGACCCAGAGTCTCGCGACGCAGCTTCGTCC
 GGCTTGAGCGAGGCTGCTGTTTCTCGGAGGCTCTCCAGCCAAGGAAAAGCTCCATAAAAAGAAAAAGCA
 TTGGATTGCTCGCTGACCTGGCTTTGCTGTAAGTGAAGGCTCACTCAACCTCGCCCTCAGCGTTTGCTT
 GGAGAAATACCACCCAGGCTCCTGGGGACACAATTAGCAGCTATGGTGTCCACTAGCATCCCGGAGGTT
 AAAGCTCTCCGACGCTCAGTCTCTGACTATGGGAAGTATGATATCATAGTCCGGCATTACAACCTACACAG
 GCAAGTTGAACATCGGGGCGGAGAAGGACCATGGCATTAAACTGACTTCAGTGGTGTTCATTCTCATCTG
 CTGCTTATCATCTAGAGAATATATTTGCTTGTAACTATTTGGAAAACCAAGAAGTTCACCGGCC
 ATGTAATTTTATAGGCAACCTAGCCCTCTCGGACCTATTAGCAGGCGTGGCTTACACAGCTAACCTGC
 TGTTGTCTGGGGCCACCCTTACAAGCTCACACCTGCCAGTGGTTTCTGCGGGAAGGGAGTATGTTTGT
 GGCTCTCTGTCATCAGTCTTACGCTCCTTGGCATTGCCATTGAGCGCTACATCACCATGCTGAAGATG
 AAATAACAACGGGAGCAACAGCTCGCGCTCCTTTCTGCTGATCAGCGCTGCTGGGTCATCTCCCTCA
 TCCTGGGGGGCTGCCATCATGGGCTGGAAGTGCATCAGCTCGTGTCTAGCTGCTCCACCGTGTCCC
 GCTCTACCACAAGCACTATATTCTTTCTGACCACCGTCTTCACTCTGCTCCTGCTTCCATCGTCATC
 CTCTACTGCAGGATCTACTCCTTGGTCAAGGACTCGAAGCCGCGCCTGACCTTCCGCAAGAATCTCCA
 AGGCCAGTCGAGTTCGAGAAGTCTCTGGCCTTGTGAAGACGGTGATCATTGCTCTGAGTGTCTTCAT
 TGCTGCTGGGCCCTCTTCTATCCTACTACTGTTAGATGTGGGCTGCAAGGCGAAGACCTGTGACATC
 CTGTACAAAGCAGAGTACTTCTGGTCTGGCTGTGCTGAACTCAGGTACCAACCCCATCATCTACACTC
 TGACCAACAAGGAGATGCGCCGGCCTTATCCGGATCGTATCTTGTGCAAAATGCCCAACGGAGACTC
 TGCTGGCAAATTAAGAGGCCATCATCCAGGCATGGAATTTAGCCGACGAAAATCAGACAACCTCTCT
 CACCCCAAGAGGACGATGGGGACAACCAGAGACCATTATGTCGTCTGGAACGTCAAATCTTCTCCT
 AAAGCCTGAAGAAGCTGTTGATACTGAGGGAAGCATTCTGACTTGATCACCCACTACCCAGCATTTCAA
 AAATGTCTCTCGCTCTCCACTGTGCAAGGAAGGACAACTGGGAGCCTGAGAGAGGGAGGGAAGGGAGA
 ATGTGCGGCTGGTGATACCATGATGTAGGTAGGTAGTAATTGTGAACAATGCACTGGGAAGGGTGGAGA
 TCAGGTCTGGCCTGCAAGTGGTTTCTGCCCCCCCTCCCCGTACCCTGGAGCTTTGATTTTGCCTGA
 GCCAAAGGTCTAGCATTGTCAAGCTCCAGAGGGCTCATCTGGTCCCTCCTCAAAGACTAAGGTCCCAAG
 AGAAAGTGTGTGATCTCTCACTGTAATGTCAAAGTGAGTATGTGCCCTTAGCTTGGTTGGTGGTGTGA
 CATGTCCCACCCTCCGGTTTCTTCTCACCTGTCTCCCCTTACCACCCCTTCTTATATCGTAACTGCC
 TGACTTTTGTTCATCAGAAGGAGTTGTGGAGGGTCTATTTCTTGATTATAGTGAGCAAGCTATTTGCT
 GGAAGGCTATTTGCTGAGGCCAAAGTTTCCATGTAAACTGGGTCAAGTGTGGGAATTTGGTAGGCCA
 TCTTTAAGATGAAAATGTGTTCTTTTTTGTACATGTTCTTATTTCCATTACAACCACAATGGTTGTG
 AATGAAGAGTAACAAAGAATAACGAAGTCTACTTTATTTGAATTACTGGGCAGAACTTATAGATGATAC
 GGGAAAAGCAAAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAA
 AGTTAAGTCGTGCAGACCAAGAGCTGTTTCTTGTCTTCTTCTAACCCTACAGCACCTTTGGCACTT
 TTATTGATGATTTCAGAAATGTTGTGTATCCATTTCAACCAACTGGGGGAGAGTTGATTTTGTTTAAAG
 AACATTTCTGATTTTCGAATGATTTGTTTCTTTGAGGTCACTTATTGAACTTCTTCTAACCCGTGT
 TAACCACTGAATGTGTAGTTCTTAAGAAAGTGCATCCTTTTGTACCCCACTCCCAAAAAGCATT
 CTTAACTGACAGGGAACATCAGGAATCTTTATTTTCGGCTGTCACTAGTATTGATGATGGTTATAAAT
 GTTACAGAGAATAAAAATATATTAGTCTCTTTAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_007901
Insert Size: 1149 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>BC049094</u> , <u>AAH49094</u>
RefSeq Size:	2781 bp
RefSeq ORF:	1149 bp
Locus ID:	13609
UniProt ID:	<u>O08530</u>
Cytogenetics:	3 G1
Gene Summary:	This gene encodes a G-protein-coupled receptor bound by the lysophospholipid, sphingosine 1-phosphate. The gene product functions in endothelial cells and is involved in vascular and heart development. This receptor is highly expressed in T and B lymphocytes, and it plays a role in T cell and B cell export from peripheral lymphoid organs. This protein is bound and downregulated by FTY720, an exogenous immunosuppressant drug studied in mouse disease models for multiple sclerosis in humans. [provided by RefSeq, Jan 2010]