

Product datasheet for MR205902

S1pr3 (NM_010101) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S1pr3 (NM_010101) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	S1pr3
Synonyms:	A1132464; Edg3; LP; Lpb3; S1; S1p3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205902 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAACCACGCATGCGCAGGGCCACCAGCCAGTCTTGGGAAATGACACTCTCCGGGAACATTACGATT
ACGTGGGAAACTGGCAGGCAGGCTGCGGGACCCCTGAGGGTGGCACCCCTCATCACCACCATCCTCTT
CTTGGTCACTGTAGCTTCATCGTCTTGGAGAACCTGATGGTTTTGATTGCCATCTGAAAAACAATAAA
TTTCAACCCGCATGTACTTTTTTCATCGGCAACTGGCTCTCTGCGACCTGCTGGCCGCATAGCATACA
AGGTCAATATTCTTATGTCCGGCAGGAAGACGTTCACTGTCTCCAACAGTGTGGTTCCCTAGGGAGGG
CAGTATGTTTCGTAGCCCTGGGCGCATCCACCTGCAGCTTACTGGCCATTGCCATTGAGCGACACCTGACC
ATGATCAAGATGAGGCCATATGATGCCAACAAGAAGCACCAGCGTGTCTCTGATTGGGATGTGCTGGC
TAATTGCCTTCTCGTGGGTGCCCTGCCAATCCTGGGCTGGAAGTGCCTGGAGAAGTTTCCCGACTGCTC
TACCATCTGGCCCTCTACTCCAAGAAATACATCGCCTTCTCATCAGTATCTTACCAGCCATTCTGGTG
ACCATCGTCATCTTGTATGCGCGCATCTACTGCCTGGTCAAGTCCAGCAGCCGAGGGTGGCCAACCACA
ACTCTGAGAGATCCATGGCCCTTCTGCGGACCGTAGTATTGTGGTGAGTGTGTTTCATTGCCCTGTGGTC
CCCACCTTTTTATCCTCTTCTCATCGACGTGGCCTGCAGGGCAAAGGAGTGTCCATCCTCTTCAAGAGT
CAGTGGTTCATCATGCTGGCTGTCCTCAACTCGGCCATGAACCTGTCTCATCACGCTGGCCAGCAAAG
AGATGAGGCGCGCCTTCTCCGGTTGGTGTGCGGCTGTCTAGTCAAGGGCAAGGGGACCCAGGCCCTCACC
CATGACAGCTGCCCTCGACCCAAGCAGAAGTAAGTCAAGCTCTAGTAACAACAGCAGCCACTCTCCGAAG
GTCAAGGAAGACCTGCCCGCGTGGCTACTTCTTCTGTCATATTGACAAAAACAGGTGCTTTTCAGAACG
GGTCTCTGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205902 protein sequence
 Red=Cloning site Green=Tags(s)

MATTHAQGHQPVLGNDTLREHYDYVGKLAGRLRDPPEGGTLITTILFLVTCFVLENLMVLIAIWKNK
 FHNRMYYFFIGNLALCDLLAGIAYKVNILMSGRTFSLSPTVWFLREGSMFVALGASTCSLLAIAIERHLT
 MIKMRPYDANKKHRVFLFIGMCWLIASFSLGALPILGWNCLNFPDCSTILPLYSKKYIAFLISIFTAILV
 TIVILYARIYCLVKSSRRVANHNSERSMALLRTVVIVVSVFIACWSPLFILFLIDVACRAKECSILFKS
 QWFIMLAVLNSAMPVIYTLASKEMRRAFFRLVCGCLVKGKGTQASPMQPALDPSRSKSSSSNSSHSPK
 VKEDLPRVATSSCIIDKNRSFQNGVLCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010101

ORF Size: 1137 bp

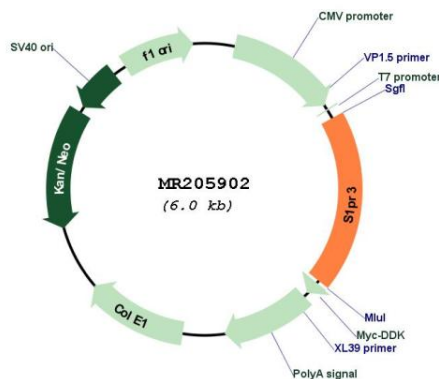
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_010101.1</u> , <u>NM_010101.2</u> , <u>NM_010101.3</u> , <u>NM_010101.4</u> , <u>NP_034231.1</u>
RefSeq Size:	4484 bp
RefSeq ORF:	1137 bp
Locus ID:	13610
UniProt ID:	<u>Q9Z0U9</u>
Cytogenetics:	13 A5
MW:	42.3 kDa
Gene Summary:	This gene encodes a member of the G-protein coupled receptor 1 family. The encoded protein is a receptor for the lysophospholipid sphingosine 1-phosphate. The gene product functions in endothelial cells and is involved in vascular and heart development. The gene product mediates HDL and HDL-associated lysophospholipid-induced vasorelaxation, and it coordinates with other lysophospholipid receptors in the process of angiogenesis. [provided by RefSeq, Jan 2010]

Product images:



Circular map for MR205902