

## Product datasheet for **MG205902**

### S1pr3 (NM\_010101) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	S1pr3 (NM_010101) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	S1pr3
Synonyms:	A1132464; Edg3; LP; Lpb3; S1; S1p3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205902 representing NM_010101 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAACCACGCATGCGCAGGGCCACCAGCCAGTCTTGGGAAATGACACTCTCCGGGAACATTACGATT  
ACGTGGGAAACTGGCAGGCAGGCTGCGGGACCCCTGAGGGTGGCACCCCTCATCACCACCATCTCTT  
CTTGGTCACTGTAGCTTCATCGTCTTGGAGAACCTGATGGTTTTGATTGCCATCTGGAAAAACAATAAA  
TTTACAACCGCATGTACTTTTTTCATCGGCAACTTGGCTCTCTGCGACCTGCTGGCCGCATAGCATACA  
AGGTCAATATTCTTATGTCCGGCAGGAAGACGTTCACTGTCTCCAACAGTGTGGTTCCCTCAGGGAGGG  
CAGTATGTTTCGTAGCCCTGGGCGCATCCACCTGCAGCTTACTGGCCATTGCCATTGAGCGACACCTGACC  
ATGATCAAGATGAGGCCATATGATGCCAACAAGAAGCACCAGCGTGTCTCTGATTGGGATGTGCTGGC  
TAATTGCCTTCTCGTGGGTGCCCTGCCAATCCTGGGCTGGAAGTGCCTGGAGAAGTTTCCCGACTGCTC  
TACCATCTGGCCCTCTACTCCAAGAAATACATCGCCTTCTCATCAGTATCTTACCAGCCATTCTGGTG  
ACCATCGTCATCTTGTATGCGCGCATCTACTGCCTGGTCAAGTCCAGCAGCCGAGGGTGGCCAACCACA  
ACTCTGAGAGATCCATGGCCCTTCTGCGGACCGTAGTATTGTGGTGAGTGTGTTTCATTGCCCTGTGGTC  
CCCACCTTTTATCCTCTTCTCATCGACGTGGCCTGCAGGGCAAAGGAGTGTCCATCCTCTTCAAGAGT  
CAGTGGTTCATGCTGGCTGCTCACTCGGCCATGAACCTGTCTCATCACGCTGGCCAGCAAAG  
AGATGAGGCGCGCCTTCTCCGGTTGGTGTGCGGCTGTCTAGTCAAGGGCAAGGGGACCCAGGCCTCACC  
CATGACGCTGCCCTCGACCCAAGCAGAAGTAAGTCAAGCTCTAGTAACAACAGCAGCCACTCTCCGAAG  
GTCAAGGAAGACCTGCCCGCGTGGCTACTTCTTCTGTCATATTGACAAAAACAGGTGCTTTCAGAACG  
GGTCTCTGCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205902 representing NM\_010101  
 Red=Cloning site Green=Tags(s)

MATTHAQGHQPVLGNDTLREHYDYVGKLAGRLRDPPEGGLTITLILFLVTCFVLENLMVLIAIWKNK  
 FHNRMYYFFIGNLALCDLLAGIAYKVNILMSGRTFSLSPTVWFLREGSMFVALGASTCSLLAIAIERHLT  
 MIKMRPYDANKKHRVFLLLIGMCWLIASFSLGALPILGWNLENFPDCSTILPLYSKKYIAFLISIFTAILV  
 TIVILYARIYCLVKSSRRVANHNRSERSMALLRTRVIVVSVFIACWSPLFILFLIDVACRAKECSILFKS  
 QWFIMLAVLNSAMNPVIYTLASKEMRRAFFRLVCGCLVKGKGTQASPMQPALDPSRSKSSSSNSSHSPK  
 VKEDLPRVATSSCIIDKNRSFQNGVLCK

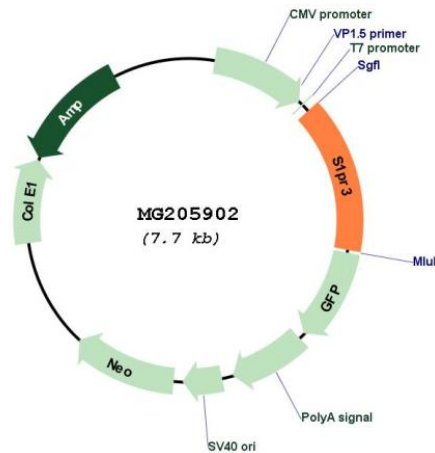
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_010101

<b>ORF Size:</b>	1134 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_010101.2</a> , <a href="#">NP_034231.1</a>
<b>RefSeq Size:</b>	4339 bp
<b>RefSeq ORF:</b>	1137 bp
<b>Locus ID:</b>	13610
<b>UniProt ID:</b>	<a href="#">Q9Z0U9</a>
<b>Cytogenetics:</b>	13 A5
<b>Gene Summary:</b>	<p>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]</p>