

## Product datasheet for **RR216523**

### S1pr3 (NM\_001271143) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** S1pr3 (NM\_001271143) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** S1pr3  
**Synonyms:** Edg3; Edg3l; lpb3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR216523 representing NM\_001271143  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCCAGCATGCGCAGGGCCACCCGCCAGTCTTGGGGAATGATACTCTCCGGGAACATTATGATT  
ACGTGGGGAAGCTGGCAGGCAGGCTGCGGGACCCCTGAGGGTAGCACCCCTCATCACCACCATCTCTT  
CTTGGTCACTGTAGCTTCATCGTCTTGGAGAACCTGATGGTTTTGATTGCCATCTGAAAAACAATAAA  
TTTCATAACCGCATGTACTTTTTTCATCGGCAACTTGGCTCTCTGCGACCTGCTGGCCGCATAGCCTACA  
AGGTCAACATTCTGATGTCCGGTAGGAAGACGTTTCAGCCTGTCTCCAACAGTGTGGTTCCCTCAGGGAGGG  
CAGTATGTTTCGTAGCCCTGGGCGCATCCACATGCAGCTTATTGGCCATTGCCATTGAGCGGCACCTGACC  
ATGATCAAGATGAGGCCGTACGACGCCAACAAGAAGCACCAGCGTGTCTCTCTGATTGGGATGTGCTGGC  
TAATTGCCTTCTCGTGGGTGCCCTGCCATCCTGGGCTGGAAGTGCCTGGAGAAGTTTCCCGACTGCTC  
TACCATCTGGCCCTCTACTCCAAGAAATACATTGCCCTTCTCATCAGCATCTTTCACAGCCATTCTGGTG  
ACCATCGTCATCTGTACGCGCGCATCTACTTCTGGTCAAGTCCAGCAGCCGAGGGTGGCCAACCACA  
ACTCCGAGAGATCCATGGCCCTTCTGCGGACCGTAGTGATCGTGGTGAGCGTGTTCATCGCCTGTTGGTC  
CCCCCTTTTCATCCTCTTCCCTCATCGATGTGGCCTGCAGGGCGAAGGAGTGCTCCATCCTTCAAGAGT  
CAGTGGTTCATGCTGGCTGTCCTCAACTCGGCCATGAACCTGTCTACACGCTGGCCAGCAAAG  
AGATGCGGCGTGCTTTCTCCGGTTGGTGTGCGGCTGTCTGGTCAAGGGCAAGGGGACCCAGGCCTCCCC  
GATGCAGCCTGCTCTTGACCCGAGCAGAAGTAAATCAAGTCCAGTAACAACAGCAGCAGCCACTCTCCA  
AAGGTCAAGGAAGACCTGCCCATGTGGCTACCTTCTCTGCGTCACTGACAAAACGAGGTGCTTCAGA  
ATGGGGTCTCTGCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216523 representing NM\_001271143  
 Red=Cloning site Green=Tags(s)

MASTHAQGHPPVLGNDTLREHYDYVGKLAGRLRDPPEGSTLITTTILFLVTCSFVLENMLVLIWKNK  
 FHNRMYYFFIGNLALCDLLAGIAYKVNILMSGRTFSLSPTVWFLREGSMFVALGASTCSLLAIAIERHLT  
 MIKMRPYDANKKHRVFLLLIGMCWLIASFSLGALPILGWNCLNFPDCSTILPLYSKKYIAFLISIFTAILV  
 TIVILYARIYFLVKSSRRVANHNSERSMALLRTVVIVVSVFIACWSPLFILFLIDVACRAKECSILFKS  
 QWFIMLAVLNSAMNPVIYTLASKEMRRAFFRLVCGCLVKGKGTQASPMQPALDPSRSKSSSSNNSSSHSP  
 KVKEDLPHVATSSCVTDKTRSLQNGVLCK

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\_001271143

**ORF Size:** 1137 bp

**OTI Disclaimer:** 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:**

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\\_001271143.1](#), [NP\\_001258072.1](#)

**RefSeq Size:** 3606 bp

**RefSeq ORF:** 1140 bp

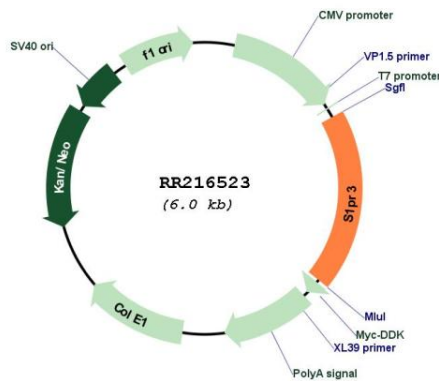
**Locus ID:** 306792

**Cytogenetics:** 17p14

**MW:** 42.3 kDa

**Gene Summary:** mouse homolog is a G-protein coupled receptor for sphingosine 1-phosphate [RGD, Feb 2006]

**Product images:**



Circular map for RR216523