

Product datasheet for RR212514

S1pr1 (NM_017301) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S1pr1 (NM_017301) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	S1pr1
Synonyms:	Edg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR212514 representing NM_017301 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGTGTCTCCACCAGCATCCCAGTGGTTAAGGCTCTCCGAGCCAAGTCTCCGACTATGGCAACTATG
ATATCATAGTCCGGCATTACAACACACAGGCAAGCTGAACATCGGAGTGGAGAAGGACCATGGCATTAA
ACTGACTTCAGTGGTGTTCATTCTCATCTGCTGCTTGATCATCCTAGAGAATATATTTGCTTGCTAACT
ATTTGGAAAACCAAGAAGTTCACCGGCCCATGTACTATTCATAGGCAACCTAGCCCTCTCGGACCTGT
TAGCAGGAGTGGCTTACACAGCTAACCTGCTGTTGTCTGGGGCCACCACCTACAAGCTCACACCTGCCCA
GTGGTTTCTGCGGAAGGAAGTATGTTTGTGGCTCTGTCTGCCTCAGTCTTCAGCCTCCTTGCTATCGCC
ATTGAGCGCTACATCACCATGCTGAAGATGAACTACACAACGGCAGCAACAGCTCGCGCTCCTTTCTGC
TGATCAGTGCCTGCTGGGTCTCTCCCTCATCCTGGGTGGGCTGCCCATCATGGGCTGGAAGTGCATCAG
CTCGCTGCCAGTGTCCACCGTGTCCCGCTCTACCACAAGCACTATATTCTTTCTGCACCACCGTCT
TTCACCTGCTCCTGCTTCCATCGTATCCTCTACTGCAGGATCTACTCCTTGGTGAGGACTCGAAGCC
GCCGCTGACCTCCGCAAGAACATCTCCAAGGCCAGCCGAGTCCGAGAAGTCTCTGGCCTTGCTGAA
GACAGTGATCATTGTCTGAGTGTCTTCATTGCCTGCTGGGCCCTCTCTTCATCCTACTACTTTTAGAT
GTGGGGTGCAAGGCGAAGACCTGTGACATCCTGTACAAAGCAGAGTACTCCTGGTCTGGCTGTGCTGA
ACTCAGGTACCAACCCCATCATCTACACTCTGACCAATAAGGAGATGCGCCGGGCCTTCATCAGGATCAT
ATCTTGTGCAAATGCCCAACGGAGACTCCGCTGGCAAATTCAGAGGCCCATCATCCCGGCATGGAA
TTAGCCGAGCAAATCAGACAACCTCTCCACCCCAAGGATGATGGGGACAATCCAGAGACCATTA
TGTCTTCTGAAAACGTCAATTCTTCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212514 representing NM_017301
 Red=Cloning site Green=Tags(s)

MVSSTSIPVVKALRSQVSDYGNVDIIVRHNYTGKLNIGVEKDHGIKLTSVVFILICCLIILENIFVLLT
 IWKTKKFHRPMYYFIGNLALSDLLAGVAYTANLLL SGATTYKLT PAQWFLREGSMFVALSASFVSLIAIA
 IERYITMLKMKLHNGSNSSRSFLLISACWVLSLILGGLPIMGWNCISSLSSCSTVLP LYHKHYILFCTTV
 FTLLLLSIVILYCRIYSLVTRSRRLTFRKNISKASRSSEKSLALLKTVIIVLSVFIACWAPLFILLLLD
 VGCKAKTCDILYKAEYFLVLAVLNSGTNP IYTLTNKEMRRAFIRIISCKCPNGDSAGKFKRPIIPGME
 FSRKSDNSSHPQKDDGDNPETIMSSGNVNSSS

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_017301

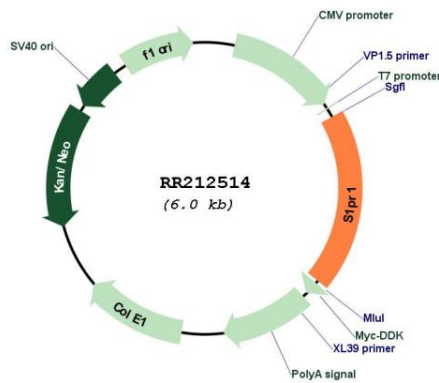
ORF Size: 1149 bp

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_017301.2, NP_058997.1</u>
RefSeq Size:	2596 bp
RefSeq ORF:	1152 bp
Locus ID:	29733
UniProt ID:	<u>P48303</u>
Cytogenetics:	2q41
MW:	42.7 kDa
Gene Summary:	G-protein-coupled receptor homolog; may mediate neurotransmission and endothelial cell differentiation [RGD, Feb 2006]

Product images:


Circular map for RR212514