

Specifications:

Gene:	mS1P1/EDG-1
Accession:	NP_031927
Insert size:	1162bp
Package size:	10µg at 0.2µg/µL

mS1P1/EDG-1 cDNA Plasmid

S1pr1 sphingosine-1-phosphate receptor 1 [*Mus musculus*]

Also known as: S1p; Edg1; Lpb1; S1p1

Summary:

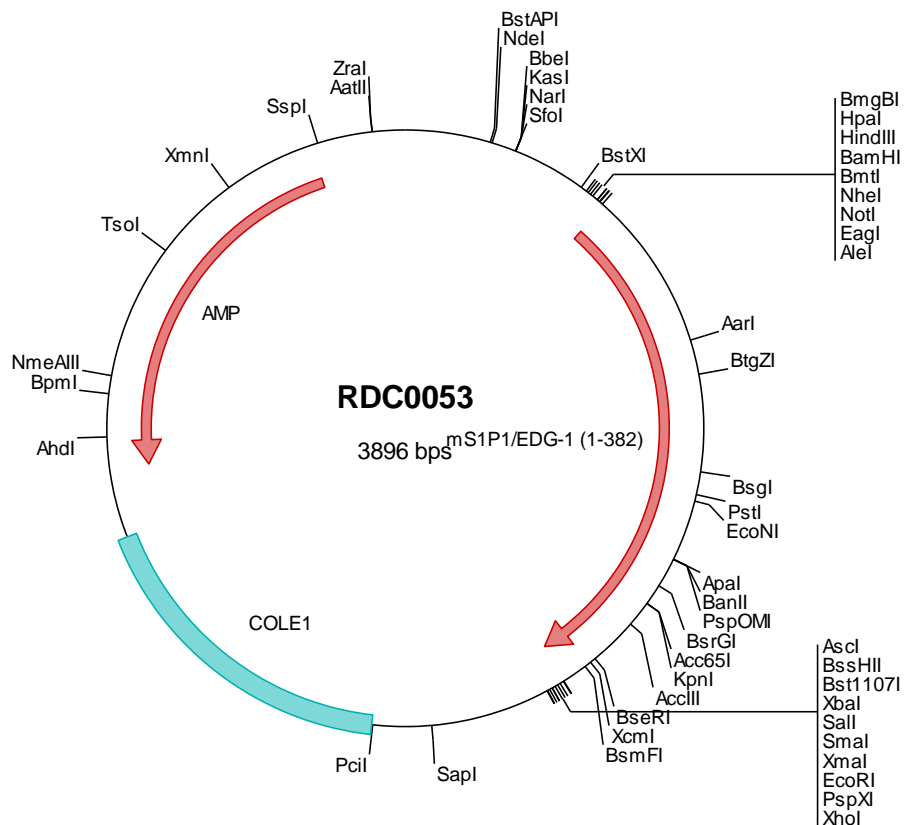
EDG-1 is a G protein-linked seven transmembrane domain spanning receptor that binds the lysophospholipid sphingosine 1-phosphate. EDG-1 is highly expressed in T- and B-lymphocytes, and it plays a role in T-cell and B-cell export from peripheral lymphoid organs. EDG-1 functions in endothelial cells and is involved in vascular and heart development. It is bound and down-regulated by FTY720, an exogenous immunosuppressant drug studied in mouse disease models for multiple sclerosis in humans.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0053 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaaata
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301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc gggccgcaacc atgggtgcca ctagatcccc ggagggtaaa gctctccgca gctcagttctc
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701 taggcaacct agccctctcg gacctattag caggcgtggc ttacacagct aaactgtctg tgtctggggc caccacttac aagctcaaac ctgccagtg
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2301 tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc ccccgctcag cccgaccctg gcgcttato cggtaactat cgtcttgagt ccaaccgggt
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> RDC0053 Translated Insert Sequence

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201 hyilfcttvf tllllsivil ycriyslvr t rsrlltfrkn iskasrssek slalktvii vlsvfiacwa plfillllldv gckaktcdil ykaeyflvla
301 vlmsgntpii ytltnkemrr afirivscck cpngdsagkf krpiipgmef srsksdnssh pqkddgdnp e timssgnvns ss