

Specifications:

Gene:	mS1P2/EDG-5
Accession:	NP_034463
Insert size:	1072bp
Concentration:	10µg at 0.2µg/µL

mS1P2/EDG-5 cDNA Plasmid

S1pr2 sphingosine-1-phosphate receptor 2 [*Mus musculus*]

Also known as: Edg5; H218; LPb2; S1P2; Gpcr13; 1100001A16Rik

Summary:

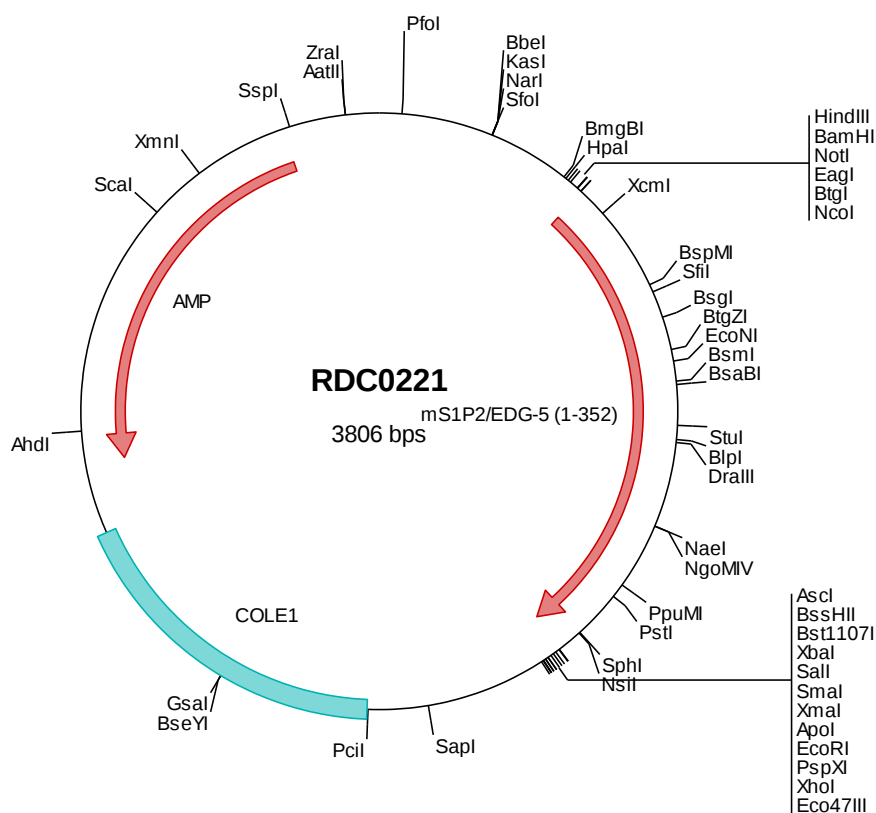
EDG-5 is the receptor for lysosphingolipid sphingosine 1-phosphate (S1P) and belongs to the G protein-coupled receptor 1 family. S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. EDG-5 is most abundant in heart and lung; low, but clearly observed in kidney, liver, embryonic brain and thymus. Mice deficient in sphingosine 1-phosphate receptor type 2 EDG-5 develop diffuse large B-cell lymphoma. Overexpression of EDG-5 promoted the centering of activated B-cells in the follicle.

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.





> RDC0221 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC0221 Translated Insert Sequence

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201  illaivalyv riylfvrrsh advagpqtla llktvtivlg vfiicwlpaf sillldstcp vracpvlyka hyffafatln sllnpviytw rsrdlrrevl
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