

Specifications:

Gene:	hS1P2/EDG-5
Accession:	NP_004221
Insert size:	1074bp
Package size:	10µg at 0.2µg/µL

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.

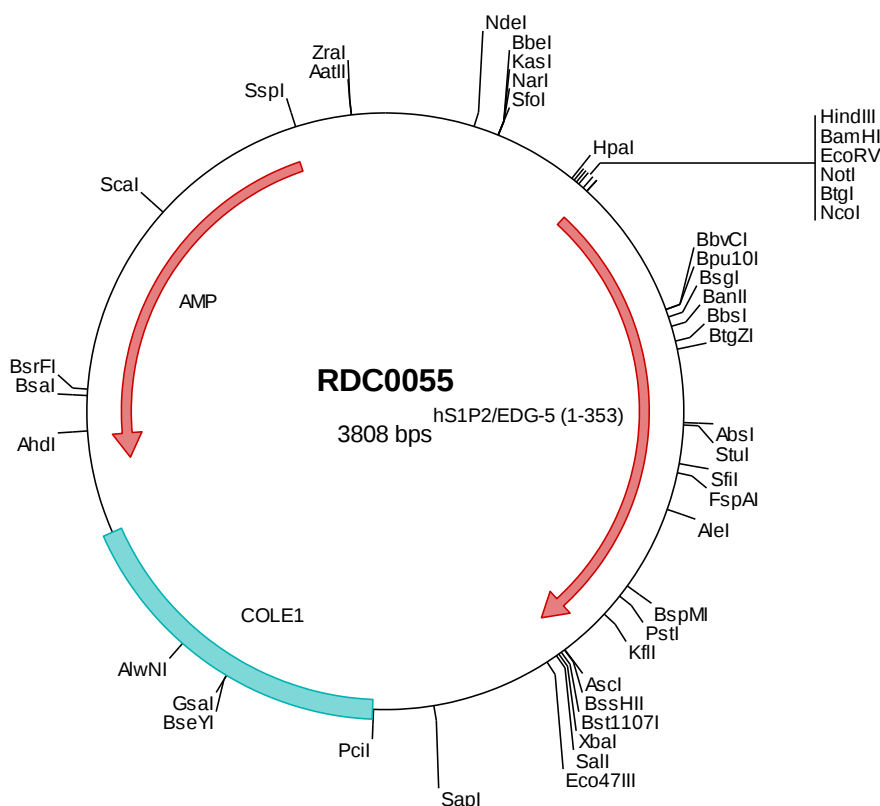
hS1P2/EDG-5 cDNA Plasmid

S1PR2 sphingosine-1-phosphate receptor 2 [*Homo sapiens*]

Also known as: H218; LPB2; S1P2; AGR16; EDG5; Gpcr13

Summary:

EDG-5 is a G protein-linked seven transmembrane domain spanning receptor that binds sphingosine-1-phosphate. EDG-5 is expressed predominantly in the lung, heart, kidney, liver, spleen, thymus, testis and brain. It is involved in mediating mitogenic and anti-apoptotic effects. EDG-5 signaling plays an important role in liver fibrosis and is involved in the directed migration of hepatic myofibroblasts into the damaged areas.





> RDC0055 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaggg ggaagtgtg caagcgatt aagtgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tgcgtagcgc ggccgccacc atgggcagct tgtactcgga gtacctgaac cccaacaagg tccaggaaaca
501  ctataattat accaaggaga cgttgaaaac gcaggagacg acctcccgc aggtggccct ggcccttoat gtoactctct gttgcgcoat tgtgttgga
601  aacctcttgg tgctcattgc ggtggcccca aacagcaagt tccactcgcc aatgtacctg tttctgggca acctggccgc ctccgatcta ctggcaggcg
701  tgccctctgt agccaatacc ttgctctctg gctctgtcac gctgaggctg acgctgtgca agtggtttgc ccgggagggc tctgccttca tcaagctctc
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2501 gcaaacaaac caccgctggt agcgggtggt tttttgtttg caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac
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3701 taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta tcacgaggcc
3801 ctttcgtc
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> RDC0055 Translated Insert Sequence

```
1   mgslyseynl pknvqehyny tktetletqet tsrqvasafi vilccaivve nllvliavar nskfhsamyl flgnlaasdl lagvafvant llsgsvtlrl
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201  illaivalyv riyecvvrssh admaapqtlal lktvtivlg vfivcwlplaf sillldyapc vhscepilyka hyffavstln sllnpviytw rsrdlrrevl
301  rplqwrpgv gvqgrrrrgt pghhlplrs ssslergmhm ptsptflegn tvv
```