

**Specifications:**

|                |                  |
|----------------|------------------|
| Gene:          | <i>mSfrp5</i>    |
| Accession:     | NP_061250        |
| Insert size:   | 957bp            |
| Concentration: | 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. |

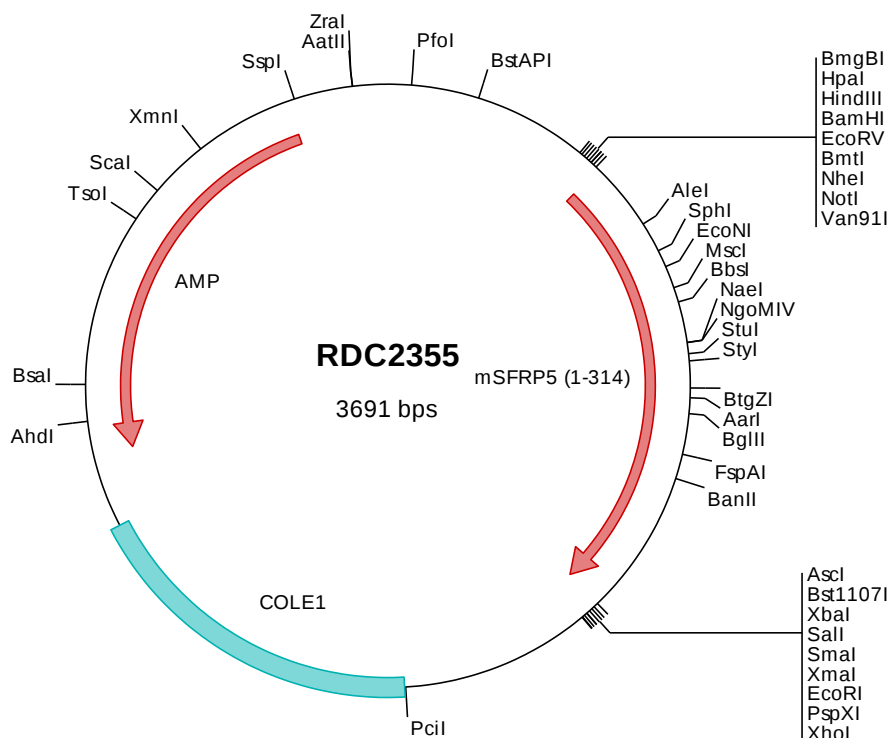
**msFRP-5 cDNA  
Plasmid**

**Sfrp5 secreted frizzled-related  
sequence protein 5 [ *Mus  
musculus* (house mouse) ]**

**Also known as:** SARP3; AI605071

**Summary:**

SFRP5 is a member of the Secreted frizzled-related protein (SFRP) family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and moderately expressed in the pancreas.



## > RDC2355 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgtgggtg cctggagcgc acggacggcc gcactggcgt tgctgtcgg
501  ggcgtgcat ggggcgccaa cacgcggcca ggagtacgac tactacggtt ggcaggccga gcgctgcac ggcgcctcct actccaagcc accgcagtgc
601  ctcgacatcc ccgcgatct gcgcgtctgt cacacgggtg gctacaagcg catgoggctg cccaacctgc tggagcacga gagcctggcc gaggtgaagc
701  agcaggcaag cagctggctg ccactgctgg ccaagcgctg ccactcagac acccaggctc tcctctgctc gctcttgcgt cccgtctgcc tggaccgacc
801  catctacccc tgccgctcgc tgtgcgaagc cgtgcgcgcc ggctgcgctc cgctcatgga ggcctacggt ttcccttggc ccgagatgct gcactgccac
901  aagttccccc tggacaacga cctctgcate gcgggtgcgt tcgggcacct gctgcacacc gogcctccag tgaccaagat ctgtgccag tgtgagatgg
1001 agcagggcaag tgatggctc atgcaacaga tgtgtctcag tgactttgtg gtcaagatgc gcattaaagga gatcaagata gacaaagggg accgaaagtt
1101 gattggagcc cagaagaaga agaagctgct caaggcaggc cccttaaagc gcaaggacac caagaagctg gtcctgcata tgaagaacgg ggcaagctgc
1201 cottgcccac agtttagaaa ctgacgggc agcttctctg tcattggcgc caaagtagag ggacagctgc tgctcacggc cgtctacccc tgggacaaga
1301 agaataaggga gatgaagttt cgactcaaat tcattgtctc tcctccctgt tcctctact accctttttt ctatggggca gctgaacccc actgaggcgc
1401 gccagtatac tctagagtcg acacccgggg aattctctga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat
1501 ccgctcacaa ttccacacaa catacagacc ggaagcataa agtgtaaagc ctgggggtgc taatgagtga gctaactcac attaattgcg ttgcgtcac
1601 tgcccgcgtt ccagtcggga aaactgtcgt gccagctgca ttaatgaatc ggccaacggc cggggagagg cggtttgcgt attggggcgt cttccgcttc
1701 ctcgctcact gactcgctgc gctcggtcgt tcggctcgcg cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac
1801 gcaggaaaag acatgtgagc aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag tcctccgccc actcacgagc
1901 atcacaaaaa tcgacgctca atgcaagagt ggcgaaaacc gacaggaacta taaaagatacc agggcttttc ccctgggaagc tcctctgtgc gctctcctgt
2001 tcgacacctg ccgcttaacc gatactgtc cgcttctctc ccttcgggaa gcgtggcgct ttctcaatgc tcacgctgta ggtatctcag ttcggtgtag
2101 ctcggttcgt ccaagctggg ctgtgtgcac gaaccccccg ttcagccgca ccgctgcgcg ttatccggtg actatcgtct tgagtccaac ccggtaaagc
2201 agcacttatc gccactggca gcagccactg gtaacaggat tagcagagcg aggtatgtag gcgggtgctac agagttcttg aagtggtggc ctaactacgg
2301 ctacactaga aggacagtat ttggtatctg cgctctgtcg aagccagtta ccttcggaaa aagagtgtgt agctcttgat ccggcaaaac aaccaccgct
2401 ggtagcggtg gtttttttgt ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct gacgctcagt
2501 ggaacgaaaa ctcacgttaa gggatttttg tcattgagatt atcaaaaaag atcttcacct agatcctttt aaattaaaaa tgaagtttta aatcaatcta
2601 aagtatatat gagtaaaact ggtctgacag ttaccaatgc ttaatcagtg aggcacctat ctcagcgatc tgtctatttc gttcatccat agttgcctga
2701 ctccccgtcg tgtagataac tacgatacgg gagggcttac catctggccc cagtgctgca atgataccgc gagacccacg ctacccggct ccagatttat
2801 cagcaataaa ccagccagcc ggaaggggcg agcgacagaag tggtctctgca actttatccg cctccatcca gtctattaat tgttgccggg aagctagagt
2901 aagtagttcg ccagtttaata gtttgcgcaa cggtgttgcc attgctacag gcactcggtg gtcacgctcg tcggtttgta tggcttcatt cagctccggt
3001 tcccaacgat caaggcgagt tacatgatcc cccattgtgt gcaaaaaaag gggttagctcc ttcggtcctc cgatcgttgt cagaagtaag ttggccgcag
3101 tgttatcact catggttatg gcagcactgc ataattctct tactgtcatg ccatccgtaa gatgcttttc tgtgactggg gagtactcaa ccaagtcatt
3201 ctgagaatag tgtatcgggc gaccgagttg ctcttgcccc gcgtcaatac gggataatac cgcgccacat agcagaactt taaaagtgtc catcattgga
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3401 ctttcaccag cgttttctgg tgagcaaaaa caggaaggca aaatgccgca aaaaagggaa taaggggcag acggaaatgt tgaatactca tactcttctc
3501 ttttcaatat tattgaagca tttatcaggg ttattgtctc atgagcggtg acatatattg atgtatttag aaaaataaac aaataggggt tccgcgcaca
3601 tttccccgaa aagtgcaccc tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaatagtc gtatcacgag gccctttcgt c

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## > RDC2355 Translated Insert Sequence

```

1   mwvawsarta alalllgalh gaptrgqeyd yygwqaeph gsrskppqc ldipadlplc htvgykrml pnllhesla evkqgasswl pllakrchsd
101  tqvflclsfa pvcldrpiyp crslceavra gcaplmeayg fpwpemlhch kfplndlci avqfghlpat appvtkicag cemehsadgl meqmcsdsv
201  vkmrieki dngdrkliga qkkkkllkag plkrkdktkl vlhmknagasc pcplndlntg sflvmgrkve gqllltavyr wdkknkemkf avkfmfsypc
301  slyypffiya aeph

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