

Specifications:

Gene:	mFZD4
Accession:	NP_032081
Insert size:	1627bp
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.

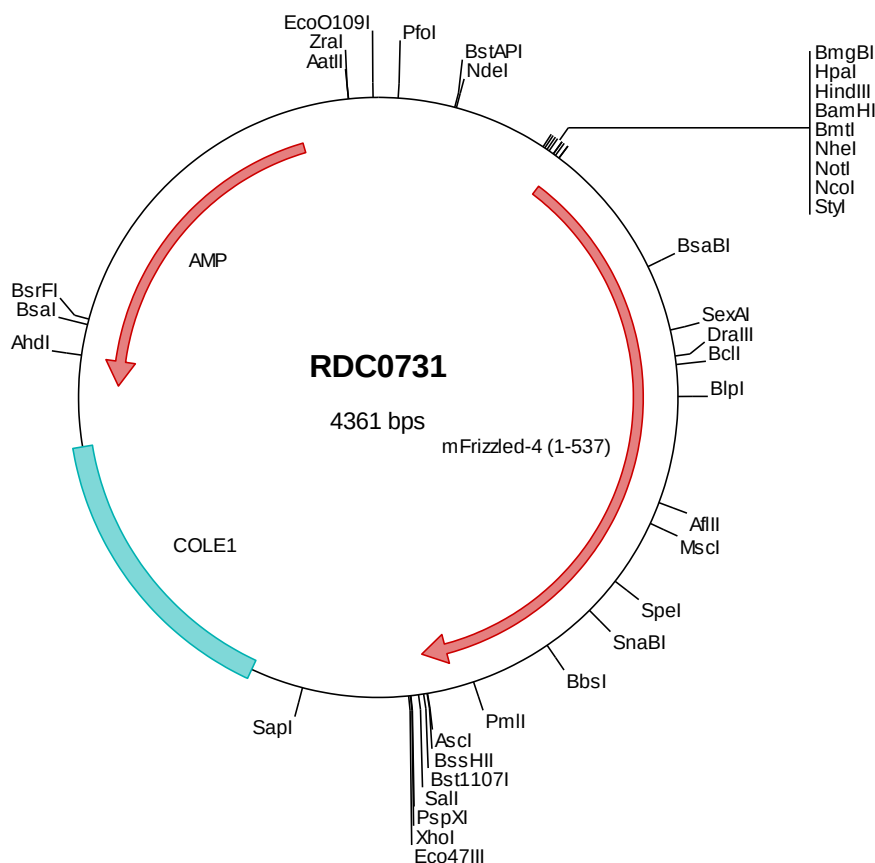
mFrizzled-4 cDNA Plasmid

Fzd4 frizzled homolog 4
(Drosophila) [*Mus musculus*
(house mouse)]

Also known as: Fz4

Summary:

FZD4 is a receptor for Wnt proteins. Most frizzled receptors, including FZD4, are coupled to the beta-catenin canonical signaling pathway. Activation of FZD4 by Wnt5A stimulates PKC activity via a G protein-dependent mechanism. FZD4 plays a critical role in retinal vascularization by acting as a receptor for Wnt proteins and norrin.





> RDC0731 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatecgata tcgctagcgc ggcgcgcacc atggcctggc cgggcacagg gccgagcagc cggggggcgc ctggaggcgt
501  cgggtcagg ctggggctgc tgctgcagtt cctcctgtct ctgcggcgca cactggggtt cggggacgag gaggagcggc gctgcgaccc catccgcata
601  gccatgtgccc agaacctcgg ctacaacgtg accaagatgc ccaacttagt gggacacgag ctgcagacag acgccagact gcagctgaca actttcacgc
701  cgctaatcca gtacggctgc tcacggcagc tgcagttctt cctttgttgc gtttatgtgc caatgtgcac agagaagatc aacatcccca tcggcccggtg
801  cggtagcatg tgcctttcag tcaagaagac ctgtgaacca gtccctgagag aatttgggtt tgccctggccc gacacctga actgcagcaa gttcccgccc
901  cagaacgacc acaaccacat gtgcattgaa ggaccaggtg atgaagaggt tccttggccc cacaagactc coactccagcc cggggaagag tgcactccg
1001  tgggaagcaa tttctgatcag tacatctggg tgaagaggag cctgaactgt gttctcaagt gtggctacga tgctggcttg tacagccgct cagctaaggag
1101  gttcacagat atttgggatg ctgtgtgggc cagcctctgc ttcactccca ccacctccac cgtgtgacc ttctgtattg attcatccag gttttcttac
1201  cctgagcgcc coactcattt tctcagtatg tgcataata tttatagcat tgcttatatt gttcggctga ctgtaggccg ggaaggata tctgtgatt
1301  ttgaagaggg ggcagagccc gttctcatcc aagaaggact taagaacaca ggatgtgcaa taattttctt gctgatgtac ttttttgaa tggccagctc
1401  catttgggtg gttattctga cactcacttg gtttttgcca gccggactca agtggggcca tgaagccatt gaaatgcaca gttcttattt ccacatcgca
1501  gcoctgggta ttcocgcagt gaaaaccatt gtoactctga ttagtagact agtggatgcc gatgaaactga ctggctgttg ctatgttggg aacccaaatc
1601  tagatgcctt cactggcttt gtggtggctc ctctctttac gtatttgggt attggaacgc tgttcattgc ggcgggtttg gtggccttat tcaaaatccg
1701  gtccaaatctt caaaaagacg ggaacaagac agacaagtgc gaaaggctaa tggctcaagat cggggtcttc tcagtaactgt acacggttcc tgcaacctcg
1801  gtgattgcoct gttatttcta tgaatctcca aactgggcac tcttctcgata tcttgcagat gactcaaaaca tggcagttga aatgttgaaa atttttatgt
1901  ctttctcgtg gggcatcact tcaggcatgt ggatttggtc tgccaaaact cttcacacgt ggcaaaagt tctaaaccca ttggtgaatt ctgggaaggt
2001  aaagagagag aagaggggga atggttgggt gaagccaggga aaaggccaagc agactgtggt ataaaggcgc gccagtatac tctagagtgc acaccggggg
2101  aattcctcga gcgctcgtct ctagcttggc gtaatcatgg tcatagctgt tctctgtgtg aaattgttat ccgctcaca ttccacaca catacagacc
2201  ggaagcataa agtgtaaagc ctgggggtgcc taatgagtga gctaactcac attaatggcg ttgcgtcac tgcccgtctt ccagtcggga aacctgtcgt
2301  gccagctgca ttaatgaatc ggccaaacgc cggggagagg cggtttgcgt attagggcgt cttccgcttc ctgcctcact gactcgtgc gtcggtcgt
2401  tcggtcgcgg cgagcggtat cagctcactc aaaggcgcta atacggttat ccacagaatc aggggataac gcaggaaaaga acatgtgagc aaaaggccag
2501  caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgcccc cctgacgagc atcacaaaaa tcgacgctca agtcagaggt
2601  ggccaaaccc gacaggacta taaagatacc aggcgtttcc cctctcgtgc tccctcgtgc gctctcgtg tccgacctg ccgcttaccg gatacctgtc
2701  cgcctttctc ccttcgggaa gcgtgcgctt ttctcaatgc toacgctgta ggtatctcag ttcggtgtag gtcgttcgct ccaagctggg ctgtgtgcac
2801  gaaccccccg ttcagcccca ccgctgcgcc ttatccggta actatcgtct tgagtccaac ccggtaaagc acgacttatc gccactggca gcagccactg
2901  gtaacaggat tagcagagcg aggtatgtag gcggtgctac agagtctctg aagtgggtgc ctaactacgg aggacagtat ttggtatctg
3001  cgctctgctg aagccagtta ccttcggaaa aagagttggt agctcctgat cgggcaaaaca aaccaccgct ggtagcggtg gttttttgt ttgcaagcag
3101  cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct gacgctcagt ggaacgaaaa ctcacgttaa gggattttgg
3201  tcatgagatt atcaaaaagg atcttcacct agatcctttt aaattaaaaa tgaagtttta aatcaatcta agtatatat gagtataact ggtctgacag
3301  ttaccaatgc ttaatcagtg aggcacctat ctcagcgatc tgcctatttc gttcatccat agttgcctga ctccccgtog ttagataaac tacgatacgg
3401  gagggcttac catctggccc cagtgtgcga atgataccgc gagaccacg ctccacgggt ccagatttat cagcaataaa ccagccagcc ggaaggcgcc
3501  agcgacagaag tggctcctgca actttatccg cctccatcca gttctattaat tgggtccggg aagctagagt aagtagttcg ccagtttaata gtttgcgcaa
3601  cgttgttgcc attgctacag gcatctggtt gtoacgctgc togttttgta tggcttcatt cagctccggt tcccaacgat caaggcgagt tacatgatcc
3701  ccatgttgtt gcaaaaaagg ggttagctcc ttgcgtctct cgtactgtgt gagaagtaag ttggccgcag tgttatcact caagttatg gcagctcgc
3801  ataattctct tactgtcatc gccatccgtaa gatgcttttc tgtgactggt gagtactcaa ccaagtcatt ctgagaatag tgtatgcggc gaaccagttg
3901  ctcttgcccg gcgtcaatag gggataatag ccgcgccact agcagaactt taaaagtgtc catcattgga aaacgttctt cggggcgaaa actctcaagg
4001  atcttaccgc ttttgagatc cagttcgtat taaccacact gtgcacccaa ctgatcttca gcatctttta ctttcaccag cttttctggg tgagcaaaaa
4101  caggaaggca aatggccgca aaaaagggaa taaggcgac acggaatgt tgaatactca tactcttctt ttttcaatat tattgaagca tttatcaggg
4201  ttattgtctc atgagcggat acatatattg atgtatttag aaaaataaac aaatagggtt tccgcgcaca tttcccgcaa aagtgccacc tgacgtctaa
4301  gaaaccatta ttaatcatgac attaacctat aaaaataggc gtatcacagag gccctttcgt c
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> RDC0731 Translated Insert Sequence

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1   mawpgtgps rgapggvgr lglllqlfl lrp tlgfde eerredpiri amcnlgnv tkmpnlvghe lqtdaelqlt tftpliqygc ssqlqfflcs
101  vyvpmcteki nipigpcgmg clsvkrrcep vlrefgfawp dtlncskfpp qndnhmcmce gpgdeevlp hktpiqggee chsvgsnsdq yiwwkrslnl
201  vlkcgydagl yersakeftd iwmavwaslc fisttftvlt flidssrfsy perpiifilm cyniyslayl vrltvgreri scdfceaaep vliqeglknt
301  gcaifillmy ffgmassiww viltltwfla aglkwgheai emhssyfhia awaipavkti vilimrlvda deltglycyg nqnldaltgf vvaplftylv
401  igtlfiaagl valfkirsl qkdgtktkd klrmvkiqvf svlytvpac viacyfyeis nwalfrysad dsnmavemlk ifmsllvgit sgmwiwsakt
501  lhtwqksnr lvnsgkvkre krgngwvkpg kgnetyv
```