

Specifications:

Gene:	mFZD1
Accession:	NP_067432
Insert size:	1942bp
Concentration:	10µg at 0.2µg/µL

mFrizzled-1 cDNA Plasmid

Fzd1 frizzled homolog 1 (Drosophila) [*Mus musculus*]

Also known as: Fz1; FZ-1; AW227548

Summary:

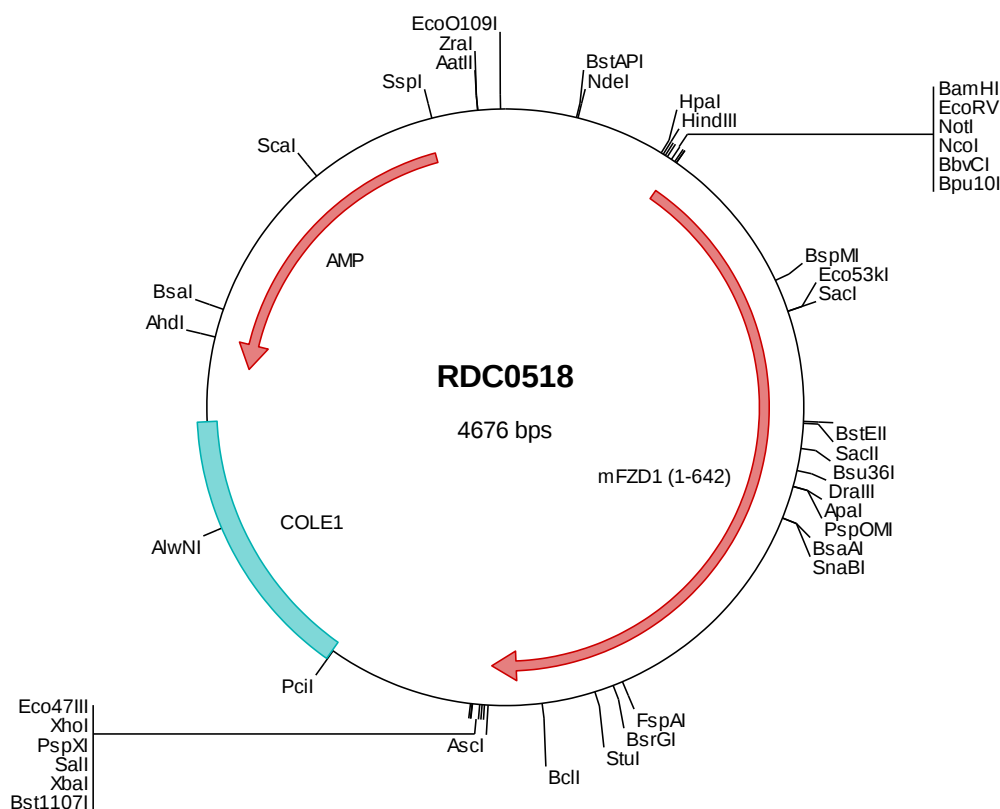
FZD1 is a seven transmembrane domain containing receptor for several Wnt proteins. Multidrug resistance (MDR) represents a major obstacle in the successful treatment of breast cancer. The MDR1 gene is a direct target of the Wnt/β-catenin signaling pathway, which controls tumor development. FZD1 appears to mediate MDR by regulating the Wnt/β-catenin pathway. It may also be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues.

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.





> RDC0518 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 gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttaggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggateccgata tcgctagcgc ggccgcacac atggctgagg aggcggcgcc tagcagatcc cgggcgcggc gccggctgag
501  cttggaaactt tgtgcgaag cactcccggy ccggcgggag gaggtggggc acgaggacac ggccagccac cgccgcccc ggctgatacc ccggcgttgg
601  gctagcgggc tgcctgctgct gctttgggtg cttgaggctc ctctgctttt gggggtccga gcgcaggcgg cgggccaggt atccggggcg gccagcaag
701  ccccgccgcc ccccccagccc cagcagagcg ggcagcagta caacggcgaa cggggcatct ccatcccgga ccacggctac tgcagcccca tctccatccc
801  gctgtgcacg gacatgcgct acaaccagac catcatgccc aacctgctgg gccacacgaa tcaggaggac gccgtctcgg aggtgcacca gttotacct
901  ctggtgaagg tgcagtgtct cgcgagctc aagttcttcc tgtgtccat gtacgcgct gtgtgcaccg tactggagca ggcgtaccg cctgcgcgt
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2501 cacaacatac gagccggaag cataaagtgt aaagcctggg gtgcctaatg agtgagctaa ctcacattaa ttgcgttgcg ctccactccc gctttccagt
2601 cgggaaacct gtcgtgccag ctgcattaat gaatcgcca acgcgcgggg agagcggtt tgcgtattgg gcgtctctcc gcttctcgc tcaactcact
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3601 aacttggtct gacagttacc aatgcttaat cagttaggca cctatctcag cgtctgtct atttcgttca tccatagtgg cctgactccc cgtcgtgtag
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> RDC0518 Translated Insert Sequence

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201  gfgwpdtklc ekfpvhgagc lcvgqntsdg gtpptslpde fwtsnpqhyg ggyrggyppg agtvergkfs cpralrvpsy lnyhflgkcd cgapcepstk
301  yglmyfgee lrfstwtgwi wsvlccastl fvtltylvdn rrfsyperpi iflsgcytav avayiaflll edrvvcndkf aedgartvaq gtkkegctil
401  fmmlyffsma ssiwvtilsl twflaagmkw gheaieansq yfhlaawavp aikttilal gqvddvlsq vcfvlnnvd alrgfvlapl fvylyfigtsf
501  llagfvslfr irtimkhdtg kteklekmlv rigvfvslvt vpativiacy fyeqafrdqw erswvaqsck syaipcpqlq ggggvpphpp mspdfvtfmi
601  kylmtlivgi tsgfwiwsgk tlswrkwfyt rltnskqget tv
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