

Specifications:

Gene:	<i>h</i> FZD2
Accession:	NP_001457
Insert size:	1711bp
Concentration:	10µg at 0.2µg/µl

***h*Frizzled-2 cDNA Plasmid**

FZD2 frizzled family receptor 2 [*Homo sapiens*]

Also known as: Fz2; fz-2; fzE2;
hFz2

Summary:

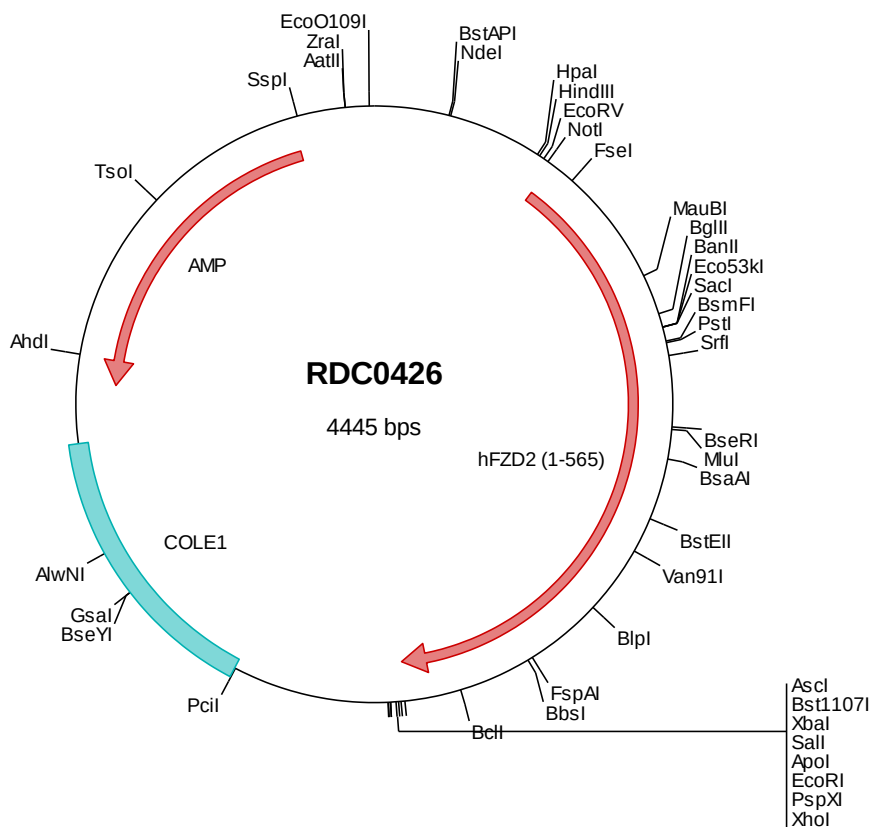
FZD2 is a receptor for Wnt proteins that is widely expressed in adult tissue. In the fetus, it is expressed in brain, lung and kidney. FZD2 is expressed at low levels in fetal liver. Most of the frizzled receptors, including FZD2, are coupled to the beta-catenin canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes.

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

Shipping	cDNA is provided in 10 mM Tris-Cl, pH 8.5. It normally ships at ambient temperature.
Stability & Storage	1 year upon receipt when stored at -20 to -80° C Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC0426 Plasmid DNA Sequence

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1   tcgcgcgcttt cgggtgatgac ggtgaaaaac tctgacacat gcagctcccg gagacggtca cagcttgctc gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgttaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcccggc tcttcgctat
301  tacgccagctc ggcgaaaagg ggaatgtgtg caaggcgatt aagttgggta acgccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatcgata tgcgtagcgc ggcgcccaacc atgcggccccc gcagcgccct gcccgccctg ctgctgcccg tgetgctget
501  gccccggccc gggcgccccc agttccacgg ggagaaggcg atctccatcc cggaccacgg cttctgccag cccatctcca tcccgtgtgt cagggaacac
601  gcctacaacc agaccatcat gcccaacctt ctgggccaca cgaaccagga ggacgcaggc ctagaagtgc accagttcta tccgctgggt aaggtgcaagt
701  gctcgcccga actcgcttc ttctgtgtct ccatgtacgc acccgtgtgc accgtgtgtg aacaggccat cccgcctgtc cgtctctatc gtgagcgcgc
801  gcgccagggc tgcgaagccc tcatgaacaa gttcggtttt cagtgcccgc aggcctgcg ctgcgagcac ttcccgcgcc acggcgccga gcagatctgc
901  gtcgccaga accactccga ggacggagct ccgcgcgtac tcaaccgcgc gccgcgcgc ggactgcagc cgggtgcccg gggcaccocg ggtggcccgg
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2501 gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaaac
2601 gtaaaaaggc cgcgttgctg cgcgtttttc ataggtcccg ccccccgcac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg
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> RDC0426 Translated Insert Sequence

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201  cprvlkpsy lsykflgerd caapceparp dgsmfssqee trfarlwilt wsvlccastf ftvttylvdm qrfryperpi iflsgcytmv svayiafgvl
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401  vcfvglnsld plrgfvlapl fvylyfigtsf llagfvsflr irtimkhdtg kteklerlmv rigvfvlyt vpativiacy fyeqafrehw erswvshgck
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```