

Specifications:

Gene:	hFZD5
Accession:	NP_003459
Insert size:	1771bp
Concentration:	10µg at 0.2µg/µL

hFrizzled-5 cDNA Plasmid

FZD5 frizzled family receptor 5 [*Homo sapiens*]

Also known as: HFZ5; C2orf31

Summary:

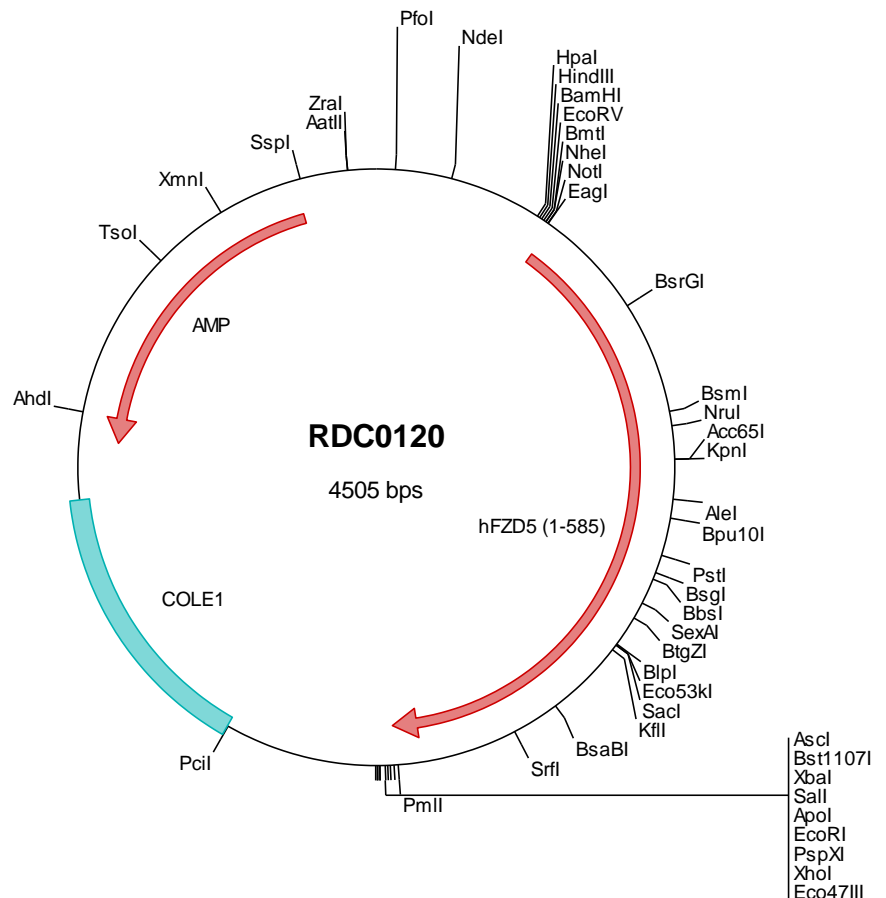
FZD5 is a 7-transmembrane glycoprotein of the Frizzled family within the G protein-coupled receptor superfamily. FZD5 is expressed in embryonic tissues (telencephalon, pituitary, thalamus, hypothalamus, eye, liver, spleen, lung and kidney), in the adult retina, colon and pancreatic islets, some cancer cell lines, human embryonic stem cells and in some monocyte and lymphocyte populations. Wnt engagement of FZD5, with low density lipoprotein receptor-related proteins LRP-5 or LRP-6 acting as a co-receptor, stabilizes β-catenin and promotes gene transcription that is important in development and tissue maintenance.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0120 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggaaccgata tcgctagcgc ggccgcacc atggctcggc ctgaccatc cgcgcggccc tcgctgttgc tctgtctcct
501 ggccgagctg gtgggcccgg cagcccccgc gtcccaaggcc ccggtgtgcc aggaaaacac ggtgcccctg tgcccggcca tcggctacaa cctgaacgac
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701 tcttctatg ctctatgtac agcccatct gtotgcccga ctacacaag ccctgcgcgc cctgcgcctc ggtgtgcgag cgcgccaagg ccggtgtctc
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2401 tgcgttgcgc tcaactgccc ctttccagtc gggaaacctg tcgtgccaag tcgattaatg aatcggccaa cgcgcgggga gaggcgggtt cgtatttggg
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4501 tcgct

> RDC0120 Translated Insert Sequence

1 marpdpaspp sl11111laql vgraaaaska pvcqeitvpm crgigynlth mpnqfnhdtq deaglevhqf wplveiqcsp dlrfflscmy tpiclpdyhk
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201 keshplynk rtgqvpncav pcyqpsfsad ertfatfwig lswlcfist sttvatflid merfryperp iiflsacylc vslgflvlrv vghasvacsr
301 ehnhihyett gpalectivfl lvyffgmass iwvvlslwt flaaagmkwn eaiagyaqyf hlaawlipsv ksitalalss vdgdpvagic yvgnqnlsl
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