

Specifications:

Gene:	mFZD8
Accession:	NP_032084
Insert size:	2071bp
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

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.

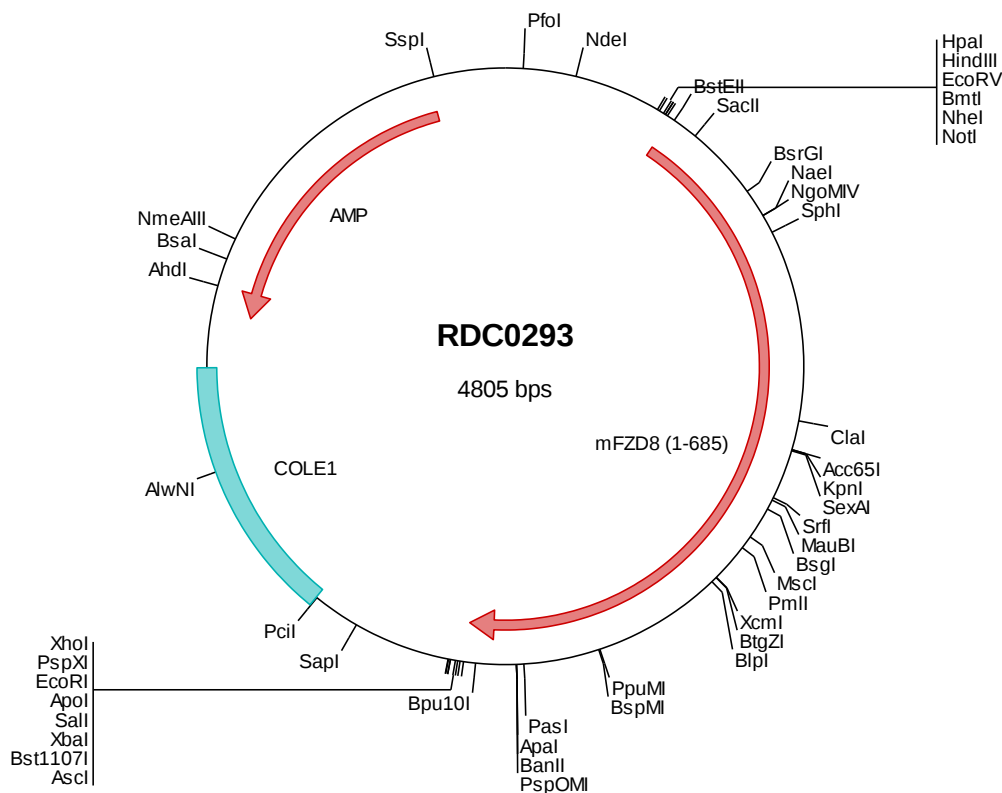
mFrizzled-8 cDNA Plasmid

Fzd8 frizzled homolog 8
(*Drosophila*) [*Mus musculus*]

Also known as: Fz8

Summary:

FZD8 is a receptor for Wnt proteins. It is a component of the Wnt-FZD-LRP5/LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalsomes. The beta-catenin canonical signaling pathway leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes. Human FZD8 is highly expressed in two human cancer cell lines, indicating that it may play a role in several types of cancer.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0293 Plasmid DNA Sequence

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1   tcgcgcgcttt cgggtgatgac ggtgaaaaac tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201  ccgcacacgat gcgttaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcggggc tcttcgctat
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601  acttacatgc ccaaccagtt caaccacgac acgcaagatg aggcgggcct agaggtgcac cagttttggc cgtgtgtgga gatcacgtgc tccccggacc
701  tcaagttctt tctgtgtagc atgtacacgc ccatctgcct ggaggactac aagaagcctc tgcgccttg tcgctctgtg tgtgaaocgc ccaagggcgg
801  ctgcgcgcgc ctcatgcgcc agtacggctt tgtctggcct gacgcgatgc gctgcgatcg gttgcgggag cagggcaacc cggacactct gtgcatggac
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> RDC0293 Translated Insert Sequence

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301  erfkyperpi iflsacylfv svgyllrllva ghekvacsyg apgaggagga ggaagagaga agagasspga rgeyeelgav eqhvryettg palctvflld
401  vyffgmassi wvvlsltwf laagmkwgne aiagysqyfh laawlvpstv siavlalssv dgdvpvagicy vgnqslidnlr gfvlaplviy lfigtmflla
501  gfvslfrirs vikqgggptk thkleklmir lglftvlytv paavvvaclf yeqhnprwe athncplrd lqpdqarrpd yavfmkyfm clvvgitsgv
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```