

Specifications:

Gene:	mFZD3
Accession:	NP_067433
Insert size:	2014bp
Concentration:	10µg at 0.2µg/µL

mFrizzled-3 cDNA Plasmid

Fzd3 frizzled homolog 3 (Drosophila) [*Mus musculus*]

Also known as: Fz3

Summary:

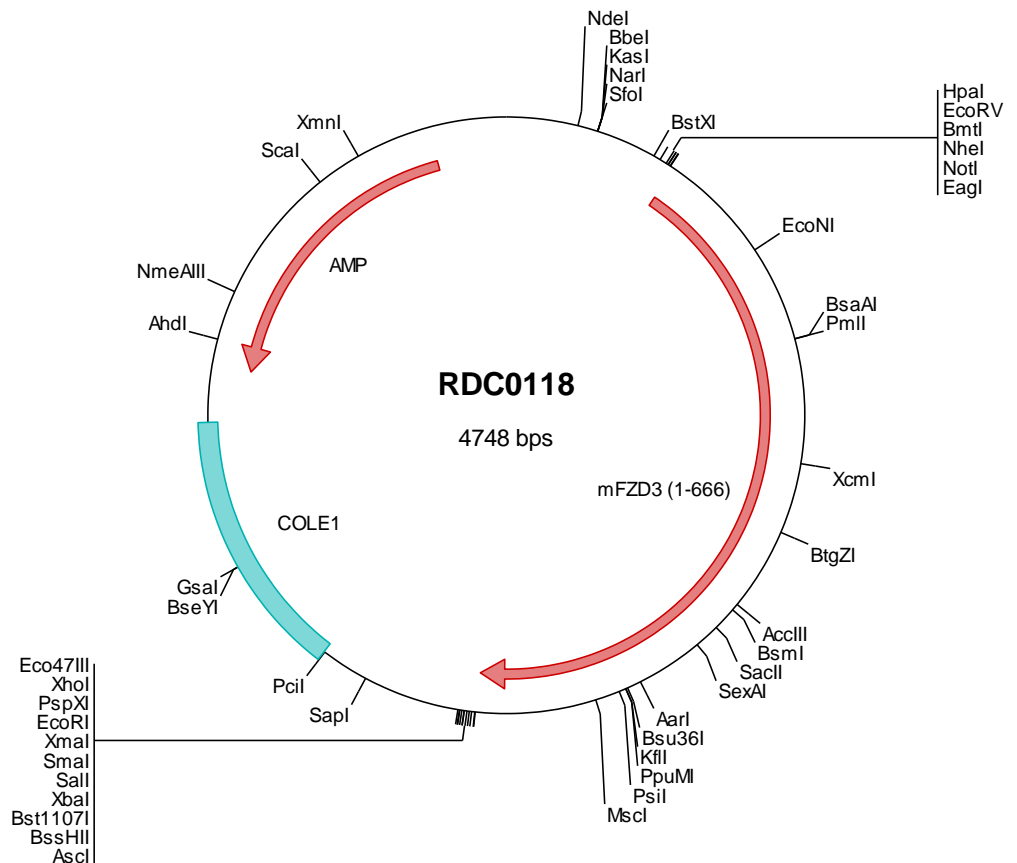
FZD3 is a member of the Frizzled family of G protein-coupled receptors that have seven transmembrane domains along with an extracellular cysteine-rich domain (CRD). Frizzled proteins function as receptors for Wnt proteins. Several frizzled-dependent signaling pathways exist. Their activation depends on the Wnt ligand involved and the cell context. The low density lipoprotein receptor-related proteins (LRPs) are co-receptors for the Wnt ligands. LRP5/6 serve as co-receptors in the Wnt/Frizzled canonical pathway that alters gene expression via the stabilization of β-catenin.

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



> RDC0118 Plasmid DNA Sequence

1 tcgctgctt cggatgatgac ggtgaaaacc tetgacacat gcagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagccc
101 tcagggcgcg tcagcgggtg ttggcgggtg tetggggctgg ctttaactat cggcatcaga gcagattgta ctgagagtg accatattgc gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt ttcccgatc acgacgttg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgcacc atggctgga gctggattgt ctttgatett tggctcttga ctgtgtttct
501 ggggcagata ggtgggcaca gtttgttttc ttgtgaacct ataaccctga ggaatggcca agatttgcct tacaatacta ccttoatgcc taatctctg
601 aaccattatg accaacagac tgcagcttta gcaatggagc cctccaccct tatggatgac ctggattggt ctgggattt tcggccattt ctttgtgac
701 tetatgcccc tattttgatg gaatatggac gtgtcacact ccctgcctg agctgtgtgc agcgtgccta tagcagtggt tcaaaactca tggagatgtt
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2501 ctcgtctcta gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcaacaatc cacacaacat cagagccgga agcataaagt
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> RDC0118 Translated Insert Sequence

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101 rlcqraysec sklmemfgvp wpedmecsrp pdcdpypri vdlnlvgdpt egapvavqrd ygfwcprelk idpdlgysfl hvrdrscppcp nmyfrreels
201 faryfiglis iiclsatlft fltflidvtr fryperpiif yavcymvsl iffifgflled rvacnasspa qykastvtgg shnkactmlf mvlyfftmag
301 svwwviltit wflaavpkwg seaiekkall fhasawgipg tltiillamn kiegdnisgv cfvglydvda lryfvlapl lyvvvgvsl1 lagiislnrv
401 rieipleken qdklvkfmir igvifsilylv pllvgicyf yeqarygiwe ttwiqercre yhipcypyvt qmsrpdilif lmykmaliv gipsifwvgs
501 kktcfewasf fhgrrkkeiv nesrqvlqep dfaqsllrdp ntpiarksrq tstqgtstha sstqlamvdd qrskagsvhs kvssyghslh rrsrdgrytpe
601 syrmeerlp hgsmrltdh srhssshrln eqsrhssird lsnpmthit hgtsmnrvie edgtsa