

Specifications:

Gene:	hFZD1
Accession:	NP_003496
Insert size:	1956bp
Concentration:	10µg at 0.2µg/µL

hFrizzled-1 cDNA Plasmid

FZD1 frizzled family receptor 1 [*Homo sapiens*]

Summary:

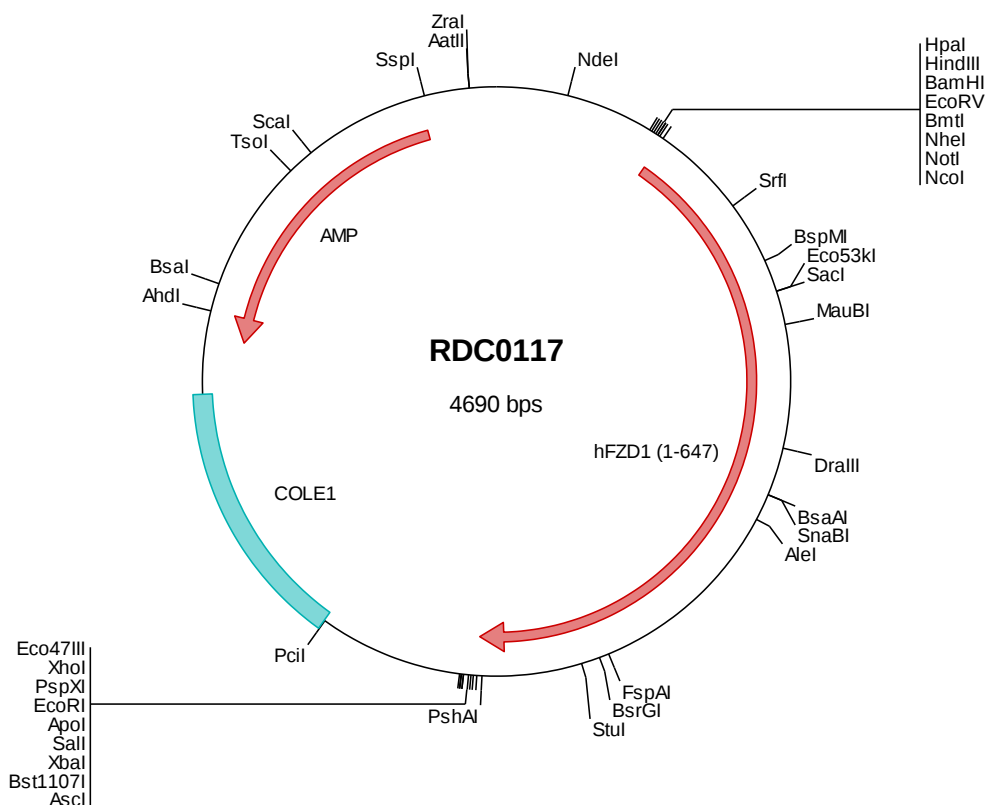
FZD1 is one of at least ten seven-transmembrane (7TM) G protein-coupled glycoproteins of the Frizzled family of Wnt receptors. The FZD1 transcript is expressed in various tissues. Wnt engagement, with low density lipoprotein receptor-related proteins LRP-5 or LRP-6 acting as co-receptors, stabilizes β -catenin and promotes gene transcription that is important in development and tissue maintenance. In bone, FZD1 may be part of a feedback mechanism to modulate the effects of BMP2 on mesenchymal cells. It is also one of the purported Wnt10b receptors whose signaling inhibits adipocyte differentiation.

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.





>RDC0117 Plasmid DNA Sequence

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>RDC0117 Translated Insert Sequence

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