

Specifications:

Gene:	hFRZB
Accession:	AAB51298
Insert size:	991bp
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

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.

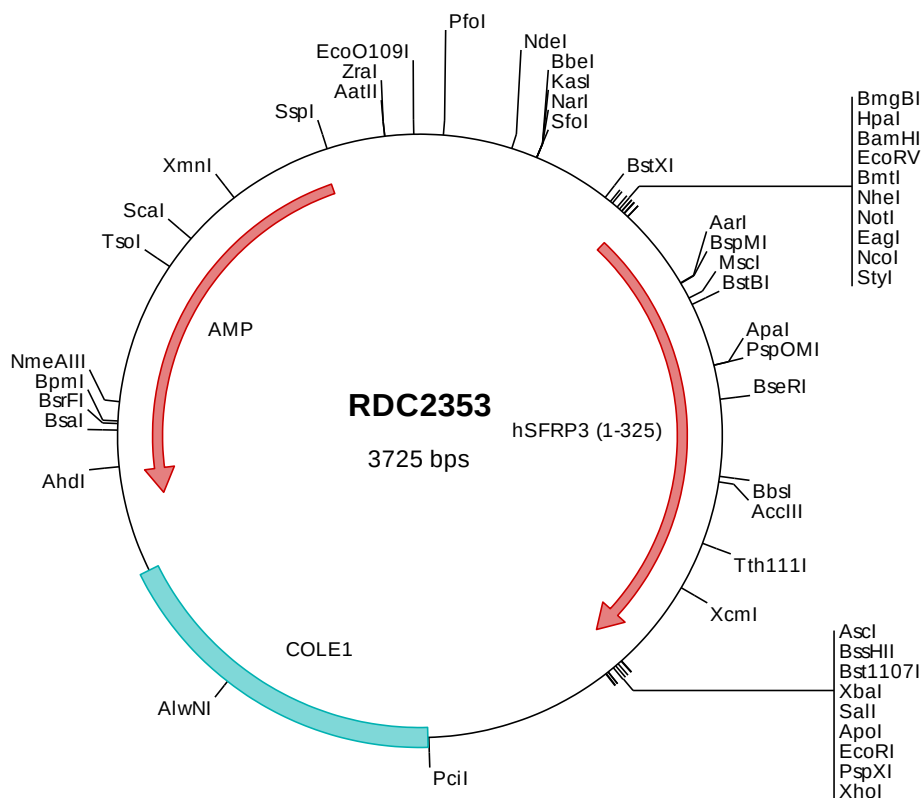
hsFRP-3 cDNA Plasmid

FRZB frizzled related protein
[*Homo sapiens* (human)]

Also known as: FRE; OS1; FZRB;
hFIZ; FRITZ; FRP-3; FRZB1; SFRP3;
SRFP3; FRZB-1; FRZB-PEN

Summary:

SFRP3 is a secreted protein that is involved in the regulation of bone development. Defects in SFRP3 are a cause of female-specific osteoarthritis (OA) susceptibility.



> RDC2353 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcctat
301  tacgccagct ggcgaaaagg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atggtctgcg gcagcccggy agggatgctg ctgctgcggy ccgggctgct
501  tgccctgctg gctctctgct tgcctcgggt gcccggggct cgggctgcag cctgtgagcc cgtccgcato cccctgtgca agtccctgcc ctggaacatg
601  actaagatgc ccaaccacct gcaccacagc actcaggaca acgccatcct ggccatcgag cagttcgaag gtctgctggg caccactgc agccccgatc
701  tgctcttctt cctctgtgct atgtacgcgc ccatctgcac cattgaacttc cagcacgagc ccatcaagcc ctgtaagtct gtgtgcgagc gggcccgcca
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1201 aatgaggaat atatcatcat gggcatgaa gatgaggaac gttccagatt actcttggtg gaaggctcta tagctgagaa gtggaaggat cgactcggta
1301 aaaaagttaa ccgctgggat atgaagcttc gtcatcttgg actcagtaaa agtgattcta gcaatagtga ttccactcag agtcagaagt ctggcaggaa
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2701 gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat taactacgat acgggagggc ttaccatctg gccccagtgc tgcaatgata
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3601 ttgaaaaaat aaacaaatag gggttccgcg cacatttccc cgaaaagtgc caactgacgt ctaagaaacc attattatca tgacattaac ctataaaaa
3701 aggcgtatca cgaggccctt tcgttc

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> RDC2353 Translated Insert Sequence

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1   mvvcgspggml llragllala alcllrvpga raaacepvri plckslpwnm tkmpnhlhhs tqdnailaie qfegllgthc spdllfflca myapietidf
101  qhepikpcks vcerarggce pilikyrlhs penlaceelp vydrgvclsp eaivtadgad fpmddssngc rgasserckc kpiratqkty frnnynyvir
201  akvkeiktke hdtavvevk eilksslvni prdtvnlyts sgclcpplnv neeyiimgye deersrlllv egisiaekwkd rlgkkvkrwd mklrhlglslk
301  sdsnsdstq sqksgrnsnp rqrans

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