

Product datasheet for **SC321786**

FRZB (NM_001463) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FRZB (NM_001463) Human Untagged Clone
Tag: Tag Free
Symbol: FRZB
Synonyms: FRE; FRITZ; FRP-3; FRZB-1; FRZB-PEN; FRZB1; FZRB; hFIZ; OS1; SFRP3; SRF3P
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001463.2
GGCGGAGACGGCGGAGCGGGCCCTTTGGCGTCCACTGCGCGGCTGCACCCTGCCCATCC
TGCCGGGATCATGGTCTGCGGCAGCCCGGAGGGATGCTGCTGCTGCGGGCCGGGCTGCT
TGCCCTGGCTGCTCTCTGCTGCTCCGGGTGCCGGGGCTCGGGCTGCAGCCTGTGAGCC
CGTCCGCATCCCCCTGTGCAAGTCCCTGCCCTGGAACATGACTAAGATGCCCAACCACCT
GCACCACAGCACTCAGGCCAACGCCATCCTGGCCATCGAGCAGTTCGAAGGTCTGCTGGG
CACCCACTGCAGCCCGATCTGCTCTTCTCTCTGTGCCATGTACGCGCCCATCTGCAC
CATTGACTTCCAGCACGAGCCCAAGCCCTGTAAGTCTGTGTGCGAGCGGGCCCGGCA
GGGCTGTGAGCCATACTCATCAAGTACCGCCACTCGTGGCCGGAGAACCCTGGCCTGCGA
GGAGCTGCCAGTGTACGACAGGGGCGTGTGCATCTCTCCGAGGCCATCGTTACTGCGGA
CGGAGCTGATTTTCTATGGATTCTAGTAACGGAACTGTAGAGGGGCAAGCAGTGAACG
CTGTAAATGTAAGCCTATTAGAGCTACACAGAAGACCTATTTCCGGAACAATTACAATA
TGTCATTCGGGCTAAAGTAAAGAGATAAAGACTAAGTGCCATGATGTGACTGCAGTAGT
GGAGGTGAAGGAGATTCTAAAGTCTCTCTGGTAAACATTCCACGGGACACTGTCAACCT
CTATACCAGCTCTGGCTGCCTCTGCCCTCCACTTAATGTTAATGAGGAATATATCATCAT
GGGCTATGAAGATGAGGAACGTTCCAGATTACTCTTGGTGAAGGCTCTATAGCTGAGAA
GTGGAAGGATCGACTCGGTAAAAAAGTTAAGCGCTGGGATATGAAGCTTCGTCATCTTGG
ACTCAGTAAAAGTGATTCTAGCAATAGTGATTCCACTCAGAGTCAAGTCTGGCAGGAA
CTCGAACCCCGCAAGCACGCAACTAAATCCGAAATACAAAAAGTAACACAGTGGACT
TCCTATTAAGACTTACTTGCATTGCTGGACTAGCAAAGGAAAATTGCACTATTGCACATC
ATATTCTATTGTTTACTATAAAAAATCATGTGATAACTGATTATTACTTCTGTTTCTCTTT
TGGTTTCTGCTTCTCTCTCTCAACCCTTTGTAATGGTTTGGGGCAGACTCTTAAG
TATATTGTGAGTTTTCTATTTCACTAATCATGAGAAAACTGTTCTTTGCAATAATAAT
AAATTAACATGCTGTAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_001463
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001463.2 , NP_001454.2
RefSeq Size:	2058 bp
RefSeq ORF:	978 bp
Locus ID:	2487
UniProt ID:	Q92765
Cytogenetics:	2q32.1
Domains:	FRI, NTR
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway
Gene Summary:	The protein encoded by this gene is a secreted protein that is involved in the regulation of bone development. Defects in this gene are a cause of female-specific osteoarthritis (OA) susceptibility. [provided by RefSeq, Apr 2010]