

# Product information



## FRZB, 33-325aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1888

**Full name:** Secreted frizzled-related protein 3

**NCBI Accession No.:** NP\_001454

**Synonyms:** SFRP3, SRFP3, FRE, FRITZ, FRP-3, FRZB-1, FRZB-PEN, FRZB1, FZRB, hFIZ, OS1

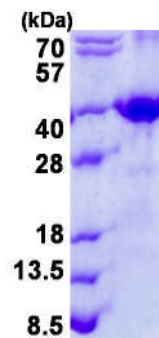
**Description:** FRZB is a secreted protein that is involved in the regulation of bone development. Defects in this gene are a cause of female-specific osteoarthritis (OA) susceptibility. Recombinant human FRZB protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:** 35kDa (316aa)

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSAAACEPVR IPLCKSLPWN MTKMPNHLHH STQANA ILAI EQFEGLLGTH CSPDLLFFLC AMYAP ICTID  
FQHEP IKPCK SVCERARQGC EPILIKYRHS WPNLACEEL PVYDRGVCIS PEAIVTADGA DFPMDSSNGN CRGASSERCK CKPIRATQKT  
YFRNNYNYVI RAKVKEIKTK CHDVTAVVEV KEILKSSLVN IPRDVTNLYT SSGCLCPPLN VNEEYIIMGY EDEERSLLLL VEGSIAEKWK  
DRLGKKVKRW DMKLRHLGLS KSDSSNSDST QSQKSGRNSN PRQARN

### General references:

Baker-Lepain JC, Lynch JA, et al. (2012). *Arthritis Rheum.* 64(5):1457-65.

Ekström EJ, Sherwood V, et al. (2011). *PLoS One.* 6(4):e18674.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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