

# Recombinant human sFRP-3/FRZB protein

Catalog Number: ATGP1888

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

33-325aa

### UniProt No.

Q92765

### NCBI Accession No.

NP\_001454

### Alternative Names

SRFP3, SFRP3, Secreted frizzled-related protein 3, OS1, hFIZ, FZRB, FRZB-PEN, FRZB1, FRZB, FRP-3, FRITZ, FRE

## PRODUCT SPECIFICATION

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### Molecular Weight

35 kDa (316aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSAACEPVR IPLCKSLPWN MTKMPNHLHH STQANAILAI EQFEGLLGTH CSPDLLFFLC  
AMYAPICTID FQHEPIKPKCK SVCERARQGC EPILIKYRHS WPENLACEEL PVYDRGVCIS PEAIVTADGA DFPMDSSNGN

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CRGASSERCK CKPIRATQKT YFRNNYNYVI RAKVKEIKTK CHDVTAVVEV KEILKSSLVN IPRDTVNLYT SSGCLCPPLN  
VNEEYIIMGY EDEERSRLLL VEGSIAEKWK DRLGKKVKRW DMKLRHLGLS KSDSSNSDST QSQKSGRNSN PRQARN

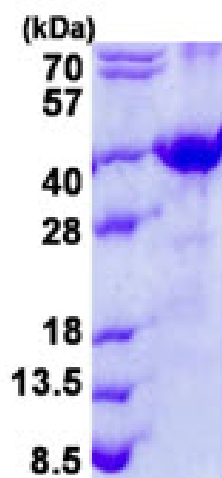
## General References

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

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

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)