Recombinant human sFRP-3/FRZB protein

Catalog Number: ATGP1888

PRODUCT INFORMATION

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

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

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 SSGLVPRGSH MGS>AACEPVR IPLCKSLPWN MTKMPNHLHH STQANAILAI EQFEGLLGTH CSPDLLFFLC AMYAPICTID FQHEPIKPCK SVCERARQGC EPILIKYRHS WPENLACEEL PVYDRGVCIS PEAIVTADGA

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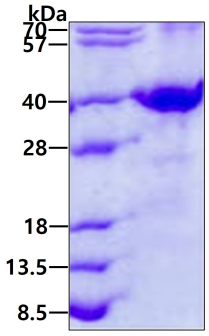
DFPMDSSNGN CRGASSERCK CKPIRATQKT YFRNNYNYVI RAKVKEIKTK CHDVTAVVEV KEILKSSLVN IPRDTVNLYT SSGCLCPPLN VNEEYIIMGY EDEERSRLLL VEGSIAEKWK DRLGKKVKRW DMKLRHLGLS KSDSSNSDST QSQKSGRNSN PRQARN

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.