
Product Data Sheet

Product Name: FRZB Human, Sf9

Cat. No.: GP23513

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Secreted frizzled-related protein 3; sFRP-3; Frezzled; Fritz; Frizzled-related protein 1; FrzB-1; FRZB; FIZ; FRE; FRP; FRZB1; SFRP3; OS1; FZRB; hFIZ; FRP-3; SFRP3; SRFP3; FRZB-PEN.		
Amino Acid Sequence	ADPAACEPVR IPLCKSLPWN MTKMPNHLHH STQANAILAI EQFEGLLGTH CSPDLLFFLC AMYAPICTID FQHEPIKPKC SVCERARQGC EPILIKYRHS WPENLACEEL PVYDRGVCIS PEAIVTADGA DFPMDSSNGN CRGASSERCK CKPIRATQKT YFRNNYNYVI RAKVKEIKTK CHDVTAVVEV KEILKSSLVN IPRDTVNLTY SSGCLCPPLN VNEEYIIMGY EDEERSRLLL VEGSIAEKWK DRLGKKVKRW DMKLRHLGLS KSDSSNSDST QSQKSGRNSN PRQARNHHHH HH.		
Formulation	The FRZB solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Frizzled-Related Protein (FRZB) is a secreted protein which is involved in the regulation of bone development. FRZB gene defects cause the female-specific osteoarthritis (OA) susceptibility. sFRPS (Soluble frizzled-related proteins) serve as modulators of Wnt signaling by direct interaction with Wnts. sFRPS have a role in regulating cell growth and differentiation in specific cell types. SFRP3/FRZB is involved in limb skeletogenesis. FRZB regulates chondrocyte maturation and long bone development.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

FRZB produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 302 amino acids (33-325 a.a.) and having a molecular mass of 34.2kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).FRZB is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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