
Product Data Sheet

Product Name: FRZB Human
 Cat. No.: GP23512
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
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	MGSSHHHHHH SGLVPRGSH MGSAACEPVR IPLCKSLPWN MTKMPNHLHH STQANAILAI EQFEGLLGTH CSPDLLFFLC AMYAPICTID FQHEPIKPKC SVCERARQGC EPILIKYRHS WPENLACEEL PVYDRGVCIS PEAIVTADGA DFPMDSSNGN CRGASSERCK CKPIRATQKT YFRNNYNYVI RAKVKEIKTK CHDVTAVVEV KEILKSSLVN IPRDTVNLYT SSGCLCPPLN VNEEYIIMGY EDEERSRLLL VEGSIAEKWK DRLGKKVKRW DMKLRHLGLS KSDSSNSDST QSQKSGRNSN PRQARN.		
Formulation	FRZB protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA 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 way of 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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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

FRZB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 316 amino acids (33-325 a.a) and having a molecular mass of 35kDa. FRZB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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