

Datasheet for ABIN6388237
FRZB Protein (AA 33-325) (His tag)



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Overview

Quantity:	50 µg
Target:	FRZB
Protein Characteristics:	AA 33-325
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FRZB protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPAACEPVR IPLCKSLPWN MTKMPNHLHH STQANAILAI EQFEGLLGTH CSPDLLFFLC AMYAPICTID FQHEPIKPKC SVCERARQGC EPILIKYRHS WPENLACEEL PVYDRGVCIS PEAIVTADGA DFPMDSSNGN CRGASSERCK CKPIRATQKT YFRNNYNYVI RAKVKEIKTK CHDVTAVVEV KEILKSSLVN IPRDTVNLTYT SSGCLCPPLN VNEEYIIMGY EDEERSLLLL VEGSIAEKWK DRLGKKVKRW DMKLRHLGLS KSDSSNSDST QSQKSGRNSN PRQARNHHHH HH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	FRZB
Alternative Name:	FRZB (FRZB Products)

Target Details

Background: FRZB, also known as secreted frizzled-related protein 3, is a member of the family of Wnt-binding proteins with homology to the ligand binding domain of the Frizzled receptors. It is widely expressed in adult mammalian tissues and in chondrocytes. It is a key factors in blocking hypertrophic differentiation of human MSCs (hMSCs) and important in skeletal development in the embryo and fetus. It acts as an agonist of Wnt signaling and promotes invasive behavior. It has a role in regulating cell growth and differentiation in specific cell types. It also functions as a tumor suppressor in a variety of cancers. Recombinant human FRZB, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 34.2kDa (302aa) 28-40kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_001454](#)

UniProt: [Q92765](#)

Pathways: [WNT Signaling, Positive Regulation of fat Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

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