

Recombinant human sFRP-3/FRZB protein

Catalog Number: ATGP3815

PRODUCT INFORMATION

Expression system

Baculovirus

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

34.2 kDa (302aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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, 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

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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.

Amino acid Sequence

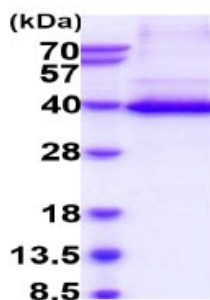
ADPAACEPVR IPLCKSLPWN MTKMPNHLHH STQANAILAI EQFEGLLGTH CSPDLLFFLC AMYAPICTID FQHEPIKPCK
SVCERARQGC EPILIKYRHS WPENLACEEL PVYDRGVCIS PEAIVTADGA DFPMDSSNGN CRGASSERCK CKPIRATQKT
YFRNNYNYVI RAKVKEIKTK CHDVTAVVEV KEILKSSLVN IPRDTVNLTY SSGCLCPPLN VNEEYIIMGY EDEERSRLLL
VEGSIAEKWK DRLGKKVKRW DMKLRHLGLS KSDSSNSDST QSQKSGRNSN PRQARNHHHH HH

General References

Zhong L1., et al. (2016) Stem Cells Dev. 25:1808-1817.
Pecina-Slaus N1., et al. (2016) Mol Med Rep. 13:4245-4251.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)