



Recombinant Protein Technical Manual
Recombinant Human FRZB/sFRP-3 Protein (His Tag)
RPES3816

Product Data:

Product SKU: RPES3816

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_001454.2

Protein Information:

Molecular Mass: 34.5 kDa

AP Molecular Mass: 41 kDa

Tag: C-His

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: FRE;FRITZ;FRP-3;FRZB;FRZB-PEN;FRZB1;FZRB;hFIZ;OS1;SFRP3;SRFP3

Immunogen Information:

Sequence: Ala32-Asn325

Background:

FRZB also known as sFRP-3, is a secreted protein containing a domain similar to the putative Wnt-binding region of the frizzled family of transmembrane receptors. FRZB is widely expressed in adult mammalian tissues. In the *Xenopus* gastrula, FRZB is regulated as a typical Spemann organizer component. FRZB also functions as a competitor for the cell-surface G-protein receptor Frizzled. It is especially important in embryonic development. Defects in FRZB gene can cause female-specific osteoarthritis (OA) susceptibility. FRZB may serve an important role in determining hip shape and may modify the relationship between hip shape and OA.