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32-13414: SFRP4 Human, sf9

Alternative Name :	Secreted Frizzled Related Protein 4, Secreted Frizzled-Related Protein 4, Frizzled Protein, Human Endometrium, SFRP-4, FRPHE Secreted Frizzled-Related Protein 4; Secreted Frizzled-Related Protein 4, FRP-4, PYL, SFRP4, FRPHE.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Secreted frizzled-related protein 4 (SFRP4) belongs to the SFRP family which contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs serve as soluble modulators of Wnt signaling. SFRP4 may serve as a regulator of adult uterine morphology and function. SFRP4 increases apoptosis during ovulation possibly via modulation of FZ1/FZ4/WNT4 signaling. SFRP4 also has phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake. SFRP4 is expressed in proliferative endometrium and several types of ovarian, endometrial and Brest tumors. SFRP4 is expressed in mesenchymal cells and in cardiomyocytes. SFRP4 expression in ventricular myocardium correlates with apoptosis related gene expression. SFRP4 is up-regulated in failing myocardium.
SFRP4 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 337 amino acids (19-346 a.a.) and having a molecular mass of 38.9kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). SFRP4 is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	SFRP4 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	ADPVRGAPCE AVRIPMCRHM PWNITRMPNH LHHSTQENAI LAIEQYEELV DVNCSAVLRF FLCAMYAPIC TLEFLHDPIK PCKSVCQRAR DDCEPLMKMY NHSWPESLAC DELPVYDRGV CISPEAIVTD LPEDVKWIDI TPDMMVQERP LDVDCKRLSP DRCKCKKVKP TLATYLSKNY SYVIHAKIKA VQRSGCNEVT TVVDVKEIFK SSSPIPRTQV PLITNSSCQC PHILPHQDVL IMCYEWRSRM MLLENCLVEK WRDQLSKRSI QWEERLQEQR RTVQDKKKTA GRTSRSNPPK PKGKPPAPKP ASPKKNIKTR SAQKRTNPKR VHHHHHH