

32-4828: Recombinant Human Secreted Frizzled-Related Protein 4

Alternative Name : Secreted frizzled-related protein 4,sFRP-4,Frizzled protein,human endometrium,FrpHE,SFRP4,FRPHE,FRP-4.

Description

Source : HEK 293. SFRP4 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (a.a 19-346) containing a total of 341 amino acids, having a molecular mass of 39kDa (calculated), though it migrates at approximately 55kDa on SDS PAGE, the SFRP4 is fused to a 5 a.a N-terminal linker and an 8 a.a Flag tag at N-Terminus. The Human SFRP4 is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	Filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.
Storage condition :	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	PGDYKDDDDK PAGVRGAPCE AVRIPMCRHM PWNITRMPNH LHHSTQENAI LAIEQYEELV DVNCSAVLRF FLCAMYAPIC TLEFLHDPK PCKSVCQRR DDCEPLMKMY NHSWPESLAC DELPVYDRGV CISPEAIVTD LPEDVKWIDI TPDMMVQERP LDVDCKRLSP DRCKCKKVKP TLATYLSKNY SYVIHAKIKA VQRSGCNEVT TVVDVKEIFK SSSPIRPTQV PLITNSSCQC PHILPHQDVL IMCYEWRSRM MLENLCLVEK WRDQLSKRSI QWEERLQEQRTVQDKKKTA GRTSRSNPPK PKGKPPAPKP ASPKKNIKTR SAQKRTNPKR V.

Application Note

It is recommended to add 200µl deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely. SFRP4 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.