9051 Mira Mesa Blvd, #910094
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SFRP4 Human

Secreted Frizzled-Related Protein 4 Human Recombinant
RCP2072

Product Overview

Name	SFRP4 Human
Description	
Secreted Frizzled-Related Protein 4 Human Recombinant	
Accession (Primary)	Q6FHJ7
Synonyms	
Secreted frizzled-related protein 4, sFRP-4, Frizzled protein, human endometrium, FrpHE, SFRP4, FRPHE, FRP-4.	
Introduction	
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.	
Source	
HEK 293.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Filtered (0.4 μm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	

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PGDYKDDDDK PAG VRGAPCE 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 V.

Solubility

It is recommended to add 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.

Precautions

SFRP4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q6FHJ7)