

# Recombinant human sFRP-4/SFRP4 protein

Catalog Number: ATGP3470

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

19-346aa

### UniProt No.

Q6FHJ7

### NCBI Accession No.

NP\_003005

### Alternative Names

Secreted frizzled-related protein 4, SFRP4, FRP-4, FRPHE, PYL, sFRP-4, Human endometrium Frizzled protein, FRZB-2

## PRODUCT SPECIFICATION

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### Molecular Weight

38.9 kDa (337aa)

### Concentration

0.5mg/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

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### Description

SFRP4, also known as secreted frizzled-related protein4, is a family of vertebrate proteins which contain homology to the ligand-binding domain of the Frizzled family of transmembrane receptors. It is expressed in brain, kidney, lung, ovary, prostate, mammary gland and endometrium. This protein act as soluble modulators of

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Wnt signaling, counteracting Wnt-induced effects at high concentrations and promoting them at lower concentrations. It is able to bind Wnt proteins and Frizzled receptors in the extracellular compartment. Recombinant human SFRP4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

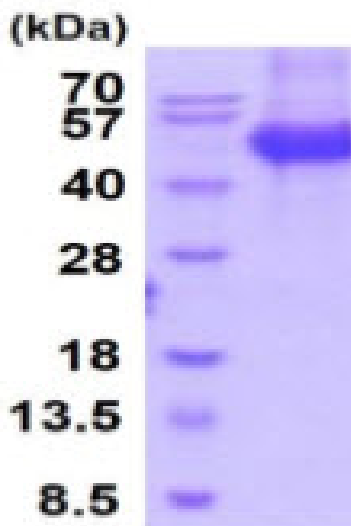
ADPVRGAPCE AVRIPMCRHM PWNITRMPNH LHHSTQENAI LAIEQYEELV DVNCSAVLRF FLCAMYAPIC TLEFLHDPIK  
PCKSVCQRRAR DDCEPLMKMY NHSWPESLAC DELPVYDRGV CISPEAIVTD LPEDVKWIDI TPDMMVQERP LDVDCKRLSP  
DRCKCKKVKP TLATYLSKNY SYVIHAKIKA VQRSGCNEVT TVVDVKEIFK SSSPIPTQV PLITNSSCQC PHILPHQDVL  
IMCYEWRSRM MLENCLVEK WRDQLSKRSI QWEERLQEQR RTVQDKKTA GRTSRSNPPK PKGKPPAPK ASPKKNIKTR  
SAQKRTNPKR VHHHHHH

## General References

Jones SE., et al. (2002) Bioessays 24:811-820.  
Berndt T., et al. (2003) J Clin Invest. 112:785-794.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)