

# Recombinant human sFRP-5/SFRP5 protein

Catalog Number: ATGP2966

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

30-317aa

### UniProt No.

Q5T4F7

### NCBI Accession No.

NP\_003006

### Alternative Names

Secreted frizzled-related protein 5, sFRP-5, Frizzled-related protein 1b, FRP-1b, Secreted apoptosis-related protein 3, SARP-3

## PRODUCT SPECIFICATION

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### Molecular Weight

35 kDa (311aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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

SARP3, also known as secreted frizzled-related protein 5, is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and moderately expressed in the pancreas. Recombinant SFRP5, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

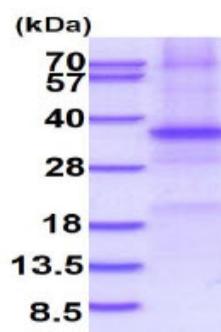
<MGSSHHHHHH SSGLVPRGSH MGS>EEYDYYG WQAEPLHGRS YSKPPQCLDI PADLPLCHTV GYKRMRLPNL  
LEHESLAEVK QQASSWLPLL AKRCHSDTQV FLCSLFAPVC LDRPIYPCRS LCEAVRAGCA PLMEAYGFPW PEMHCHKFP  
LDNDLCIAVQ FGHLPATAPP VTKICAQCEM EHSADGLMEQ MCSSDFVVKM RIKEIKIENG DRKLIGAQKK KLLKPGPLK  
RKDTKRLVLH MKNAGAGPCP QLDSLGSFL VMGRKVDGQL LLMAVYRWDK KNKEMKFAVK FMFSYPCSLY YPFFYGAAEP  
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## General References

Veeck J, Geisler C, et al. (2008). Carcinogenesis. 29(5):991-8.  
urakami S, Shiina H, et al. (2006). Clin Cancer Res. 12(7 Pt 1):2109-16.

## DATA

### SDS-PAGE



15% SDS-PAGE (3ug)

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