Recombinant human sFRP-5/SFRP5 protein

Catalog Number: ATGP2966

PRODUCT INFORMATION

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

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

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

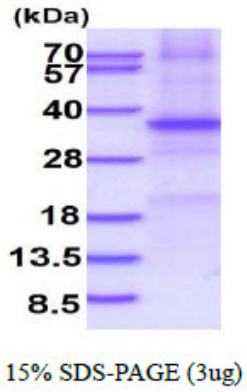
<MGSSHHHHHH SSGLVPRGSH MGS>EEYDYYG WQAEPLHGRS YSKPPQCLDI PADLPLCHTV GYKRMRLPNL LEHESLAEVK QQASSWLPLL AKRCHSDTQV FLCSLFAPVC LDRPIYPCRS LCEAVRAGCA PLMEAYGFPW PEMLHCHKFP LDNDLCIAVQ FGHLPATAPP VTKICAQCEM EHSADGLMEQ MCSSDFVVKM RIKEIKIENG DRKLIGAQKK KKLLKPGPLK RKDTKRLVLH MKNGAGCPCP QLDSLAGSFL VMGRKVDGQL LLMAVYRWDK KNKEMKFAVK FMFSYPCSLY YPFFYGAAEP H

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.