

## Recombinant Human SFRP5 protein, His-tagged

**Cat. No.** SFRP5-2620H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SFRP5(30-317aa) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 30-317aa                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl(pH 8.0) containing 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 35kDa (311aa)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSEEDYDYG WQAEPLHGRS YSKPPQCLDI<br>PADLPLCHTV GYKRMRLPNL LEHESLAEVK QQASSWLPLLAKRCHSDTQV<br>FLCSLFAPVC LDRPIYPCRS LCEAVRAGCA PLMEAYGFPW PEMHCHKFP<br>LDNDLCIAVQ FGHLPATAPP VTKICAQCEMEHSADGLMEQ MCSSDFVVKM<br>RIKEIKIENG DRKLIGAQKK KLLKPGPLK RKDTKRLVLH MKNGAGCPCP                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | QLDSLAYSFL VMGRKVDGQLLLMAVYRWDK KNKEMKFAVK FMFSYPCSLY<br>YPFFYGAAEP H                                                                                                               |
| <b>Purity</b>           | > 85% by SDS - PAGE                                                                                                                                                                 |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                            |
| <b>Storage</b>          | Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.    |
| <b>Concentration</b>    | 1mg/ml (determined by Bradford assay)                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                     |
| <b>Gene Name</b>        | SFRP5 secreted frizzled-related protein 5 [ Homo sapiens ]                                                                                                                          |
| <b>Official Symbol</b>  | SFRP5                                                                                                                                                                               |
| <b>Synonyms</b>         | SFRP5; secreted frizzled-related protein 5; SARP3; secreted apoptosis related protein 3; FRP-1b; SARP-3; sFRP-5; frizzled-related protein 1b; secreted apoptosis-related protein 3; |
| <b>Gene ID</b>          | 6425                                                                                                                                                                                |
| <b>mRNA Refseq</b>      | NM_003015                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_003006                                                                                                                                                                           |
| <b>MIM</b>              | 604158                                                                                                                                                                              |

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|----------------------------|-------------------------------------------------------------------------------------------------|
| <b>UniProt ID</b>          | Q5T4F7                                                                                          |
| <b>Chromosome Location</b> | 10q24                                                                                           |
| <b>Pathway</b>             | Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem; |
| <b>Function</b>            | PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding;                       |

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