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**Product Data Sheet**


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Product Name: SFRP5 Human  
 Cat. No.: GP24560  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Secreted Frizzled-Related Protein 5; SARP3; Secreted Apoptosis Related Protein 3; Secreted Apoptosis-Related Protein 3; Frizzled-Related Protein 1b; FRP-1b; SARP-3; SFRP-5; FRP1B; SFRP5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSEEDYDG WQAEPLHGRS YSKPPQCLDI PADLPLCHTV GYKRMRLPNL LEHESLAEVK QQASSWLPLL AKRCHSDTQV FLCSLFAPVC LDRPIYPCRS LCEAVRAGCA PLMEAYGFPW PEMLHCHKFP LDNDLCIAVQ FGHLPATAPP VTKICAQCEM EHSADGLMEQ MCSSDFVVKM RIKEIKIENG DRKLIGAQKK KLLKPGPLK RKDTKRLVLH MKNGAGCPCP QLDLAGSFL VMGRKVDGQL LLMAVYRWDK KNKEMKFAVK FMFSYPCSLY YPFFYGAAEP H.		
Formulation	SFRP5 protein solution (1mg/ml) containing 20mM Tris-HCl (pH 8.0) and 10% glycerol.		

**Introduction**

Secreted Frizzled-Related Protein 5, also known as SFRP5, belongs to the SFRP family which includes a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs perform like soluble modulators of Wnt signaling. SFRP5 & SFRP1 are implicated in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, as well as moderately expressed in the pancreas.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

SFRP5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 311 amino acids (30-317 a.a) and having a molecular mass of 35kDa. SFRP5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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