

# Active Recombinant Human SFRP1, Fc-tagged, Biotinylated

Cat. No. SFRP1-672H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	The recombinant human sFRP1-Fc is expressed as a 511-amino acid active form consisting of Ser32 - Lys314 region of sFRP1 (UniProt accession #Q8N474) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	32-314 a.a.
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
<b>Bio-activity</b>	Inhibits the proliferation of HeLa human cervical epithelial carcinoma cells with an ED50 of 0.2 - 0.8 µg/mL
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 58.1; Estimated by SDS-PAGE under reducing condition (kDa): 75-85
<b>AA Sequence</b>	SEYDYVSFQSDIGPYQSGRFYTKPPQCVDIPADLRLCHNVGYKKMVLPLNLEHETM AEVKQQASSWVPLLNKNC HAGTQVFLCSLFAPVCLDRPIYPCRWLCEAVRDSCEP VMQFFGFYWPEMLKCDKFPEGDVCIAMTPPNATEASK PQGTTVCPPCDNELKSEAI IEHLCASEFALRMKIKEVKKENGDKKIVPKKKKPLKLGPIKKKDLKLVLYLKNG ADC PCHQLDNLSHHFLIMGRKVKSQYLLTAIHKWDKKNKEFKNFMKKMKNHECPTFQSV FKSTGTHTCPPCAP ELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK

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FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVL TVLHQDWLNGKEYKCKVSNKALP  
APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVE WESNG  
QPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKS  
LSLSPGK

**Endotoxin** <0.1 eu per 1 µg of purified recombinant protein determined by the lal>

**Purity** >90% judged by SDS-PAGE under reducing condition

**Storage** The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** SFRP1 secreted frizzled-related protein 1 [ Homo sapiens ]

**Official Symbol** SFRP1

**Synonyms** SFRP1; secreted frizzled-related protein 1; FRP; FRP 1; SARP2; SARP-2; sFRP-1; secreted apoptosis-related protein 2; FRP1; FrzA; FRP-1;

**Gene ID** 6422

**mRNA Refseq** NM\_003012

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<b>Protein Refseq</b>	NP_003003
<b>MIM</b>	604156
<b>UniProt ID</b>	Q8N474
<b>Chromosome Location</b>	8p11.21
<b>Pathway</b>	Validated targets of C-MYC transcriptional repression, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem;
<b>Function</b>	PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; cysteine-type endopeptidase activity; drug binding; frizzled binding; heparin binding; identical protein binding;

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