

Recombinant Human Secreted Frizzled-related Protein 1

Cat. No. SFRP1-2704H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human Secreted Frizzled-related Protein 1 is a glycosylated 283 amino acid protein containing a cysteine rich Frizzled homologous domain. It is expressed in <i>HeLa cells</i> .
Species	Human
Source	HeLa
Description	Secreted frizzled-related protein 1, also known as sFRP1, is a 35 kDa prototypical member of the SFRP family. SFRP family consists of five secreted glycoproteins in humans acting as extracellular signaling ligands. Each is approximately 300 amino acids in length and contains a cysteine-rich domain (CRD) that shares 30-50% sequence homology with the CRD of Frizzled (Fz) receptors, a putative signal sequence, and a conserved hydrophilic carboxy-terminal domain.
Purity	Greater than 97% (determined by SDS-PAGE and HPLC analysis).
Endotoxin Level	< 0.1 ng per µg of rHu sFRP-1 (1EU/µg).
Biological Activity	Determined by its ability to inhibit BMP-2 proliferation effect of ATDC-5 cells. The expected ED ₅₀ is 0.3–0.5 µg/ml.
Formulation	Lyophilized from a sterile-filtered solution with no additives.
Reconstitution	Please Note: Always centrifuge product before opening vial. The lyophilized protein

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should be reconstituted with distilled, sterile water to a concentration of 0.1-1.0 mg/ml. For further dilution, carrier protein (0.1% BSA or HSA) should be added to avoid loss of bioactivity.

Storage

The lyophilized powder, though stable at room temperature for up to 3 weeks, is best stored desiccated at -20°C. Reconstituted sFasL should be used immediately or stored in undiluted working aliquots at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name

SFRP1; secreted frizzled-related protein 1 [Homo sapiens]

Synonyms

SFRP1; secreted frizzled-related protein 1; FRP; FRP1; FrzA; FRP-1; SARP2; Secreted frizzled-related protein 1; sFRP-1; Frizzled-related protein 1; Secreted apoptosis-related protein 2

Gene ID

6422

mRNA Refseq

NM_003012

Protein Refseq

NP_003003

MIM

604156

UniProt ID

Q8N474

Chromosome Location

8p11.21

Pathway

Wnt signaling pathway

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Function

protein binding

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