

**Recombinant Human sFRP-1**  
**Catalog # PBG10119****Specification**

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**Recombinant Human sFRP-1 - Product Information****Recombinant Human sFRP-1 - Additional Information****Description**

Secreted Frizzled Related Proteins (sFRPs) modulate WNT signaling by binding directly to WNT proteins in a manner that affects their receptor binding and signaling capabilities. sFRP-1 is a widely distributed protein that can bind directly to WNT1, WNT2, and possibly other WNT proteins, and generally exerts anti-proliferative effects consistent with activity as a WNT antagonist. It also inhibits apoptosis and has been found to be down-regulated in many solid tumors, but up-regulated in uterine leiomyomas. Recombinant human sFRP-1 is a glycosylated 283 amino acid protein containing a cysteine rich Frizzled homologous domain.

**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  $\mu\text{g/ml}$ .

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is  $<0.1 \text{ ng/}\mu\text{g}$  of protein ( $<1\text{EU/}\mu\text{g}$ ).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

$-20^{\circ}\text{C}$

**Precautions**

Recombinant Human sFRP-1 is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human sFRP-1 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **Recombinant Human sFRP-1 - Images**