

## 32-20569: Recombinant Human sFRP-1(Discontinued)

**Reactivity :** Mouse

**Alternative Name :** soluble Frizzled Related Protein-1, Secreted Apoptosis Related Protein-2, SARP-2

### Description

#### Source:HeLa cells

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. The calculated molecular weight of Recombinant Human sFRP-1 is 32.5 kDa.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 97% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** SEYDYVSFQS DIGPYQSGRF YTKPPQCVDI PADLRLCHNV GYKKMVLPNL LEHETMAEVK QQASSWVPLL  
NKNCHAGTQV FLCSLFAPVC LDRPIYPCRW LCEAVRDSCE PVMQFFGFYW PEMLKCDKFP EGDVCIAMTP  
PNATEASKPQ GTTVCPPCDN ELKSEAIIEH LCASEFALRM KIKEVKKENG DKKIVPKKKK PLKLGPIKKK  
DLKKLVLYLK NGADCPCHQL DNLSHHFLIM GRKVKSQYLL TAIHKWDKKN KEFKNFMKKM KNHECPTFQS  
VFK

### Application Note

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.