

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 GYKMMVLPNL 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.