



Recombinant Human FRP-1, soluble

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	S01-070
Size:	20 µg
Lot. No.:	According to product label

Sequence

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SEYDYVSFQS DIGPYQSGRF YTKPPQCVDI PADLRLCHNV  
GYKMKVLPNL LEHETMAEVK QQASSWVPLL NKNCHAGTQV  
FLCSLFAPVC LDRPIYPCRW LCEAVRDSCE PVMQFFGFYW  
PEMLKCDKFP EGDVCIAMTP PNATEASKPQ GTTVCPEDN  
ELKSEAIIEH LCASEFALRM KIKEVKKENG DKKIVPKKKK  
PLKLGPIKKK DLKKLVLYLK NGADCPCHQL DNLSHHFLIM  
GRVKVSYLL TAIHKWDKKN KEFKNFMKKM KNHECPTFQS VFK
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Database References

Protein RefSeq:	NP_003003.3
Uniprot ID:	Q8N474
mRNA RefSeq:	NM_003012.4

Scientific Background

Gene-ID (NCBI):	6422
Synonyms:	soluble Frizzled Related Protein-1, Secreted Apoptosis Related protein-2, SARP-2

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.

Product Specifications

Expressed in	HeLa cells
Purity	> 97% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	283
MW:	32.5 kDa

Biological Activity: Determined by its ability to inhibit BMP-2 proliferation effect of ATDC-5 cells. The expected ED50 is 0.3–0.5 µg/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!