

sFRP1 active protein

sFRP1 protein

CATALOG #
AAA75573

PRODUCT SYNONYMS

sFRP1; sFRP1 protein; SFRP-1 protein; Secreted Frizzled Related Protein 1 protein; sFRP-1 protein; sFRP 1; sFRP 1 protein; Secreted Apoptosis Related Protein-2 protein; sFRP-1; Soluble Frizzled Related Protein-1 protein; SARP-2 protein; sFRP1 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	> or = 97% by SDS-PAGE and HPLC
Concentration	20ug lyophilized (varies by lot)
Sequence	SEYDYVSFQS DIGPYQSGRF YTKPPQCVDI PADLRLCHNV GYKMMVLPNL LEHETMAEVK QQASSWVPLL NKNCHAGTQV FLCSLFAPVC LDRPIYPCRW LCEAVRDSCE PVMQFFGFYW PEMLKCDKFP EGDVCIAMTP PNATEASKPQ GTTVCPPCDN ELKSEAIIEH LCASEFALRM KIKEVKKENG DKKIVPKKKK PLKLGPIKKK DLKKLVLYLK NGADCPCHQL DNLSSHFLIM GRKVKSQYLL TAIHKWDKKN KEFKNFMKKM KNHECPTFQS VFK
Sequence Length	314
Source	HeLa cells
Species	Human
Protein Type	Recombinant
Biological Significance	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.
Bioactivity	Determined by its ability to inhibit BMP-2 proliferation effect of ATDC-5 cells. The expected ED50 is 0.3-0.5 ug/ml.
Endotoxin Levels	< 0.1 ng/ug (1 EU/ug).
Contaminants	Endotoxin: <0.1ng/ug(<1EU/ug)
Form	Lyophilized powder. Centrifuge the vial prior to opening. Reconstitute with water to a concentration of 0.1-1mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20 degree C to -80 degree C.
Biohazard	Use appropriate laboratory precautions when handling this product.
Preparation and Storage	Ships ambient or refrigerated; after receipt, store at 4 degree C short term, -20 degree C long term

ADDITIONAL INFORMATION

Related Product Information for sFRP1 active protein	Purified recombinant Human sFRP1 protein
Product Categories/Family for sFRP1 active protein	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	22209051
NCBI GeneID	6422
UniProt Accession #	Q8N474; O00546; O14779
NCBI Official Full Name	Secreted frizzled-related protein 1
NCBI Official Synonym Full Names	secreted frizzled-related protein 1
NCBI Official Symbol	SFRP1
NCBI Official Synonym Symbols	FRP; FRP1; FrzA; FRP-1; SARP2
NCBI Protein Information	secreted frizzled-related protein 1
UniProt Protein Name	Secreted frizzled-related protein 1
UniProt Gene Name	SFRP1
UniProt Synonym Gene Names	FRP; FRP1; SARP2; FRP-1; sFRP-1; SARP-2
UniProt Entry Name	SFRP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/active-protein/sfrp1/75573>