

Secreted Frizzled Related Protein 1 Active Protein | SFRP1 active protein

Active Secreted Frizzled Related Protein 1 (SFRP1)

CATALOG #
AAA150141

APPLICATIONS
Activity Assay, Cell Culture

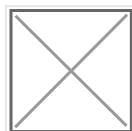
PRODUCT SYNONYMS

Secreted Frizzled Related Protein 1; Active Secreted Frizzled Related Protein 1 (SFRP1); FRP1; FRP; FRP-1; FrzA; SARP2; Secreted apoptosis-related protein 2; SFRP1 active protein

PRODUCT SPECIFICATIONS

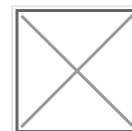
Purity/Purification	>95%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Val8~Asp153
Sequence Length	158
Applicable Applications for SFRP1 active protein	Activity Assay, Cell Culture
Species	Rat
Tag	N-terminal His Tag
Isoelectric Point	9.1
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Bioactivity

Figure. Cell suppression of HepG2 cells after stimulated with SFRP1.

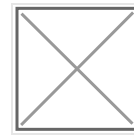


Application Data

To measure the ability of SFRP1 on tumor suppression, liver cancer HepG2 cells were seeded into triplicate wells of 96-well plates at a density of 5,000 cells/well and allowed to attach, replaced with serum-free overnight, then the medium was replaced with 2% serum standard DMEM prior to the addition of various concentrations of recombinant rat SFRP1. After incubated for 96h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10uL of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37. Suppression of HepG2 cells after incubation with SFRP1 for 96h observed by inverted microscope was shown in Figure 2. Cell viability was assessed by CCK-8 assay after incubation with recombinant SFRP1 for 96h. The result was shown in Figure 3. It was obvious that SFRP1 significantly decreased cell viability of HepG2 cells. (A) HepG2 cells cultured in DMEM, stimulated with 1000ng/mL SFRP1 for 96h; (B) Unstimulated HepG2 cells cultured in DMEM for 96h. Figure. Cell suppression of HepG2 cells after stimulated with SFRP1.



WB (Western Blot)
Figure. Western Blot



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for SFRP1 active protein	Signal transduction
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NCBI AND UNIPROT INFORMATION

NCBI GI #	61216364
NCBI GeneID	84402
UniProt Accession #	Q9R168
Molecular Weight	Predicted Molecular Mass: 17.9kDa Accurate Molecular Mass: 18kDa
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	sFRP-1
NCBI Protein Information	secreted frizzled-related protein 1
UniProt Protein Name	Secreted frizzled-related protein 1
UniProt Gene Name	Sfrp1
UniProt Synonym Gene Names	sFRP-1

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/sfrp1-active-protein/secreted-frizzled-related-protein-1/150141>