

Active Recombinant Human SFRP1, Fc-tagged

Cat. No. SFRP1-673H Lot. No. (See product label)

SPECIFICATION

Product Overview The recombinant human sFRP1-Fc is expressed as a 511-amino acid active form consisting of Ser32 - Lys314 region of sFRP1 (UniProt accession #Q8N474) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.

Species Human

Source Human Cells

ProteinLength 32-314 a.a.

Form Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).

Bio-activity Inhibits the proliferation of HeLa human cervical epithelial carcinoma cells with an ED50 of 0.2 - 0.8 µg/mL

Molecular Mass Calculated molecular mass (kDa): 58.1; Estimated by SDS-PAGE under reducing condition (kDa): 75-85

AA Sequence

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SEYDYVSFQSDIGPYQSGRFYTKPPQCVDIPADLRLCHNVGYKKMVLPNLLEHETM
AEVKQQASSWVPLLKNC HAGTQVFLCSLFAPVCLDRPIYPCRWLCEAVRDSCEP
VMQFFGFYWPEMLKCDKFPEGDVCIAMTPPNATEASK PQGTTVCPPCDNELKSEAI
IEHLCASEFALRMKIKEVKKENGDKKIVPKKKKPLKLGPIKKKDLKLVLYLKNG ADC
PCHQLDNLSSHFLIMGRKVKVKSQYLLTAHKWDKKNKEFKNFMKKMKNHCEPTFQSV
FKSTGTHTCPPCPAP ELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVK
FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVL TVLHQDWLNGKEYKCKVSNKALP
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APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVE WESNG
 QPENNYKTTTPVLDSGDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKS
 LSLSPGK

Endotoxin

<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein=""
 determined="" by="" the="" lal="">

Purity

>90% judged by SDS-PAGE under reducing condition

Storage

The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name

SFRP1 secreted frizzled-related protein 1 [Homo sapiens]

Official Symbol

SFRP1

Synonyms

SFRP1; secreted frizzled-related protein 1; FRP; FRP 1; SARP2; SARP-2; sFRP-1;
 secreted apoptosis-related protein 2; FRP1; FrzA; FRP-1;

Gene ID

6422

mRNA Refseq

NM_003012

Protein Refseq

NP_003003

MIM

604156

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UniProt ID	Q8N474
Chromosome Location	8p11.21
Pathway	Validated targets of C-MYC transcriptional repression, organism-specific biosystem; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem;
Function	PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; cysteine-type endopeptidase activity; drug binding; frizzled binding; heparin binding; identical protein binding;

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