

SFRP2 Protein, Human (HEK293, His, solution)

Cat. No.:	HY-P77835
Synonyms:	sFRP-2; SARP-1; Sarp1; Sdf5; Sfrp2; AI851596
Species:	Human
Source:	HEK293
Accession:	Q96HF1 (L25-C295)
Gene ID:	6423
Molecular Weight:	34-38 kDa

PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM PBS, 100 mM Larginine, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Secreted frizzled-related protein 2 (SFRP2) is a soluble frizzled-related protein that activates the Wnt/β-catenin signaling pathway through DNA demethylation regulation. SFRP2 contains a cysteine-rich domain that is a soluble regulator of Wnt signaling. SFRP2 can differentiate human induced pluripotent stem cells into mature cardiomyocytes. Overexpression of SFRP2 induces osteoblast-like phenotype in prostate cancer cells. SFRP2 promotes carcinogenesis and radiation resistance of glioma cells by activating the Wnt/β-catenin signaling pathway. SFRP2 promoter is hypermethylated in a variety of malignancies and overexpressed in a variety of tumor cells, which may be associated with tumorigenesis. SFRP2 can be used as a non-invasive biomarker for HBV-associated hepatocellular carcinoma ^{[1][2][3][4][5]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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