SFRP4 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74550
Synonyms:	Secreted frizzled-related protein 4; sFRP-4; FrpHE; FRPHE
Species:	Mouse
Source:	HEK293
Accession:	Q9Z1N6/NP_057896.1 (V19-S351)
Gene ID:	20379
Molecular Weight:	Approximately 55-70 kDa due to the glycosylation.

PROPERTIES

AA Sequence	V R G A P C E A V R I P M C R H M P W N I T R M P N H L H H S T Q E N A I L A I E Q Y E E L V D V N C S S V L R F F L C A M Y A P I C T L E F L H D P I K P C K S V C Q R A R D D C E P L M K M Y N H S W P E S L A C D E L P V Y D R G V C I S P E A I V T D L P E D V K W I D I T P D M M V Q E R S F D A D C K R L S P D R C K C K K V K P T L A T Y L S K N Y S Y V I H A K I K A V Q R S G C N E V T T V V D V K E I F K S L S P I P R T Q V P L I T N S S C Q C P H I L P H Q D V L I M C Y E W R S R M M L L E N C L V E K W R D Q L S R R S I Q W E E R L Q E Q Q R T I Q D K K Q I A S R T S R T S R S N P P K S K G R P P A P K P A S P K K N I K A R S A P K K S N L K K S A S
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	SFRP4 is a soluble frizzled-related protein that acts as a modulator of Wnt signaling by directly interacting with Wnts. It regulates cell growth and differentiation in specific cell types and plays a role in bone morphogenesis. Additionally, SFRP4

	acts as a regulator of adult uterine morphology and function and may increase apoptosis during ovulation, potentially through modulation of FZ1/FZ4/WNT4 signaling. It also exhibits phosphaturic effects by specifically inhibiting sodium-dependent phosphate uptake.

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