

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:	55-60 kDa

PROPERTIES

AA Sequence	<pre> V R G A P C E A V R I Q Y E E L V D V N C V C Q R A R D D C E E A I V T D L P E D C K K V K P T L A T V K E I F K S L S P E W R S R M M L L E D K K Q I A S R T S A P K K S N L K K S P M C R H M P W N I S S V L R F F L C A P L M K M Y N H S W V K W I D I T P D M Y L S K N Y S Y V I I P R T Q V P L I T N C L V E K W R D Q R T S R S N P P K S A S T R M P N H L H H S M Y A P I C T L E F P E S L A C D E L P M V Q E R S F D A D H A K I K A V Q R S N S S C Q C P H I L L S R R S I Q W E E K G R P P A P K P A T Q E N A I L A I E L H D P I K P C K S V Y D R G V C I S P C K R L S P D R C K G C N E V T T V V D P H Q D V L I M C Y R L Q E Q Q R T I Q S P K K N I K A R S </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. 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 (with carrier protein). 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
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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.

Caution: Product has not been fully validated for medical applications. For research use only.

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