

Serpin F1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P74557
Synonyms:	Pigment epithelium-derived factor; Pedf; Sdf3; Caspin; Serpin F1
Species:	Rat
Source:	HEK293
Accession:	Q80ZA3/NP_808788.1 (Q20-T418)
Gene ID:	287526
Molecular Weight:	Approximately 45.9 kDa

PROPERTIES

AA Sequence	<p> Q N V P D S S Q D S P A P D S T G E P V V E E D D P F F K A P V N K L A A A V S N F G Y D L Y R L R S G A V S T G N I L L S P L S V A T A L S A L S L G A E Q R T E S V I H R A L Y Y D L I N N P D I H S T Y K E L L A S V T A P E K N F K S A S R I V F E R K L R V K S S F V A P L E K S Y G T R P R I L T G N P R I D L Q E I N N W V Q A Q M K G K I A R S T R E M P S A L S I L L L G V A Y F K G Q W A T K F D S R K T T L Q D F H L D E D R T V R V P M M S D P K A I L R Y G L D S D L N C K I A Q L P L T G S M S I I F F L P L T V T Q N L T M I E E S L T S E F V H D I D R E L K T I Q A V L T V P K L K L S Y E G D V T N S L Q D M K L Q S L F E S P D F S K I T G K P V K L T Q V E H R A A F E W N E E G A G T S S N P D L Q P V R L T F P L D Y H L N R P F I F V L R D T D T G A L L F I G R I L D P S S T </p>
Biological Activity	Measured by its ability to enhance the adhesion of Saos-2 human osteosarcoma cells to bovine Collagen I coated plate. The ED ₅₀ this effect is 0.178 µg/mL, corresponding to a specific activity is 5.62×10 ³ units/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 7.4.
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

SFRP2 Protein is a member of the secreted frizzled-related protein (sFRP) family, indicating its involvement in modulating Wnt signaling pathways. As part of this family, SFRP2 likely interacts with Wnt ligands and frizzled receptors, exerting regulatory effects on crucial cellular processes. The absence of conserved residue(s) required for feature annotation propagation underscores the unique structural characteristics of SFRP2 within the sFRP family. Despite lacking certain conserved elements, SFRP2's specific attributes may contribute to its distinct role in modulating Wnt signaling, potentially influencing cellular activities such as proliferation, differentiation, or tissue development.

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

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