MAGP-2/MFAP5 Protein, Human (HEK293, His)

Cat. No.:	HY-P76494
Synonyms:	Microfibrillar-associated protein 5; MFAP-5; MP25; MAGP-2
Species:	Human
Source:	HEK293
Accession:	Q13361-1 (I22-L173)
Gene ID:	8076
Molecular Weight:	Approximately 36 kDa.

PROPERTIES

AA Sequence	I P L G V N S Q R G D D V T Q A T P E T F T E D P N L V N D P A T D E T V L A V L A D I A P S T D D L A S L S E K N T T A E C W D E K F T C T R L Y S V H R P V K Q C I H Q L C F T S L R R M Y I V N K E I C S R L V C K E H E A M K D E L C R Q M A G L P P R R L R R S N Y F R L P P C E N V D L Q R P N G L
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 (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	The MAGP-2/MFAP5 protein is suggested to potentially play a role in hematopoiesis, indicating its involvement in crucial processes related to blood cell formation. In the cardiovascular system, it is proposed to regulate growth factors or participate in cell signaling to maintain the integrity of large vessels. Notably, MAGP-2/MFAP5 functions as a component of the elastin-associated microfibrils, contributing to the structural organization of these extracellular matrix elements. Additionally, it interacts with key signaling molecules such as TGFB2 and BMP2, suggesting a role in modulating signaling pathways. Furthermore, MAGP-2/MFAP5 engages in interactions with FBN1 and FBN2, emphasizing its involvement in the dynamic network of proteins associated with fibrillin and contributing to the overall maintenance of tissue architecture and function. The multifaceted functions and molecular interactions of MAGP-2/MFAP5 underscore its significance in both

	hematopoiesis and cardiovascular homeostasis.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA