

MAGP-2/MFAP5 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P77994
Synonyms:	MFAP-5; MAGP-2; MAGP2; MP25; AAT9
Species:	Mouse
Source:	HEK293
Accession:	Q9QZJ6 (Q29-L164)
Gene ID:	50530
Molecular Weight:	36 kDa&52-57 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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	<p>The MAGP-2/MFAP5 protein may contribute to hematopoiesis, indicating a potential role in the formation and development of blood cells. Within the cardiovascular system, it could regulate growth factors and participate in cell signaling to maintain the integrity of large vessels. As a component of the elastin-associated microfibrils, MAGP-2/MFAP5 is involved in the structural framework that supports elastin. It interacts with TGFB2, suggesting a potential role in the regulation of transforming growth factor-beta signaling. Additionally, MAGP-2/MFAP5 interacts with BMP2, FBN1 (via the N-terminal domain), and FBN2, indicating its involvement in various protein-protein interactions crucial for maintaining tissue architecture and function. Further exploration of MAGP-2/MFAP5's specific mechanisms in hematopoiesis and its interactions within the cardiovascular system could provide valuable insights into its broader roles in physiological processes.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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