

Fibromodulin Protein, Human (HEK293, hFc)

Cat. No.:	HY-P75186
Synonyms:	Fibromodulin; FM; FMOD; KSPG fibromodulin; SLRR2E
Species:	Human
Source:	HEK293
Accession:	Q06828 (M1-I376)
Gene ID:	2331
Molecular Weight:	Approximately 68.2 kDa

PROPERTIES

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.
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	Fibromodulin Protein, a crucial regulator, influences the rate of fibril formation and is implicated in collagen fibrillogenesis, potentially playing a primary role in this process. Known to bind both type I and type II collagen, Fibromodulin exerts its impact on the formation and organization of fibrils, contributing to the structural integrity of the extracellular matrix. Its interactions with various collagen types underline its significance in modulating fibrillogenesis and maintaining the architecture of connective tissues, highlighting its pivotal role in the extracellular matrix dynamics.
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Caution: Product has not been fully validated for medical applications. For research use only.

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