Recombinant Human FMOD Protein, MYC/DDK-tagged

Cat. No. FMOD-893H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human fibromodulin (FMOD) was expressed in HEK293 with C-terminal MYC/DDK
Species	Human
Source	HEK293
Description	Fibromodulin belongs to the family of small interstitial proteoglycans. The encoded protein possesses a central region containing leucine-rich repeats with 4 keratan sulfate chains, flanked by terminal domains containing disulphide bonds. Owing to the interaction with type I and type II collagen fibrils and in vitro inhibition of fibrillogenesis, the encoded protein may play a role in the assembly of extracellular matrix. It may also regulate TGF-beta activities by sequestering TGF-beta into the extracellular matrix. Sequence variations in this gene may be associated with the pathogenesis of high myopia. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	FMOD fibromodulin [Homo sapiens]
Official Symbol	FMOD
Synonyms	FMOD; fibromodulin; fibromodulin proteoglycan; SLRR2E; FM; KSPG fibromodulin; collagen-binding 59 kDa protein; keratan sulfate proteoglycan fibromodulin
Gene ID	2331
mRNA Refseq	NM_002023
Protein Refseq	NP_002014
MIM	600245
UniProt ID	Q06828

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