

Recombinant Full Length Human FMOD Protein, GST-tagged

Cat. No. FMOD-4995HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FMOD full-length ORF (AAH35281, 1 a.a. - 376 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	376 amino acids
Description	Fibromodulin is a member of a family of small interstitial proteoglycans, containing a central region composed of leucine-rich repeats with 4 keratan sulfate chains flanked by disulfide-bonded terminal domains. It may participate in the assembly of the extracellular matrix as it interacts with type I and type II collagen fibrils and inhibits fibrillogenesis in vitro. It may also regulate TGF-beta activities by sequestering TGF-beta into the extracellular matrix. [provided by RefSeq]
Molecular Mass	67.10 kDa
AA Sequence	MQWISLLLLAGLFSLSQAQYEDDPHWWFHYLRSQQSTYYDPYDPYPYETYEPYPY GVDEGPAYTYGSPSPDPRDCPQECDCPPNFPTAMYCDNRNLKYLFPVPSRMKYV YFQNNQITSIQEGVFDNATGLLWIALHGNQITSDKVGRKVFSLRHLERLYLDHNNLT RMPGPLPRSLRELHLDHNQISRVPNNALEGLNLTALYLQHNEIQEVGSSMRGLRSL ILLDLSYNHLRKVPDGLPSALEQLYMEHNNVYTVPDSYFRGAPKLLYVRLSHNSLTN NGLASNTFNSSSLELDLSYNQLQKIPPVNTNLENLYLQGNRINEFSISSFCTVADV NFSKLQVLRDGNELKRSAMPADAPLCLRLASLIEI

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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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