

Recombinant Human FMOD, GST-tagged

Cat. No. FMOD-12947H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FMOD protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-376a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	FMOD fibromodulin [Homo sapiens]
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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
Chromosome Location	1q32

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