

Recombinant Human FMOD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FMOD-2179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FMOD MS Standard C13 and N15-labeled recombinant protein (NP_002014) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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.
Molecular Mass	43.2 kDa
AA Sequence	MQWTSLLLLLAGLFSLSQAQYEDDPHWWFHYLRSQQSTYYDPYDPYPYETYEPYPY GVDEGPAYTYGSPSPDPRDCPQECDCPPNFPTAMYCDNRNLKYLFPVPSRMKYV YFQNNQITSIQEGVFDNATGLLWIALHGNQITSDKVGRKVFSLRHLERLYLDHNNLT RMPGPLPRSLRELHLDHNQISRPNNALEGLENTALYLQHNEIQEVGSSMRGLRSL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ILLDLSYNHLRKVPDGLPSALEQLYMEHNNVYTPDSYFRGAPKLLYVRLSHNSLTN
 NGLASNTFNSSSLELDLSYNQLQKIPPVNTNLENLYLQGNRINEFSISSFCTVVDVV
 NFSKLQVLRLDGNEIKRSAMPADAPLCLRLASLIEITRTRPLEQKLISEEDLAANDILDY
 KDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [FMOD fibromodulin \[Homo sapiens \(human\) \]](#)

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](#)

 Tel: 1-631-559-9269 1-516-512-3133

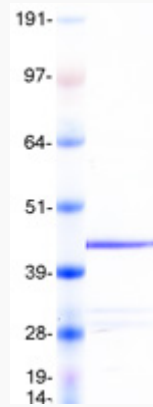
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 600245

UniProt ID Q06828

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA