

## Recombinant Human FMOD protein, His-tagged

**Cat. No.** FMOD-912H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FMOD protein(NP_002014)(1-376 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-376 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
<b>AA Sequence</b>	MQWTSLLLLAGLFSLSQAQYEDDPHWWFHYLRSQQSTYYDPYDPYPYETYEPYPY GVDEGPAYTYGSPSPDPRDCPQECDCPPNFPTAMYCDNRNLKYLFPVPSRMKYV YFQNNQITSIQEGVFDNATGLLWIALHGNQITSDKVGRKVFSKLRHLERLYLDHNNLT RMPGPLPRSLRELHLDHNQISRVNNALEGLNLTALYLQHNEIQEVGSSMRGLRSL ILLDLSYNHLRKVPDGLPSALEQLYMEHNNVYTPDSYFRGAPKLLYVRLSHNSLTN NGLASNTFNSSSLELDLSYNQLQKIPPVNTNLENLYLQGNRINEFSISSFCTVVDVV NFSKLQVLRLDGNEIKRSAMPADAPLCLRLASLIEI
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

### Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

## GENE INFORMATION

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

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SDS-PAGE



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