

## Product datasheet for PH306534

### Fibromodulin (FMOD) (NM\_002023) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FMOD MS Standard C13 and N15-labeled recombinant protein (NP_002014)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206534
Predicted MW:	43.2 kDa
Protein Sequence:	>RC206534 protein sequence Red=Cloning site Green=Tags(s)  MQWTSLLLLAGLFSLSQAQYEDDPHWWFHYLRSQQSTYYDPYDPYPYETIEPYYPYGVDEGPAYTYGSPSP PDPDRDCPQECDCPPNFPTAMYCDNRNLKYLPFVPSRMKYVYFQNNQITSIQEGVFDNATGLLWIALHGNQ ITSDKVGKRVFSKLRHLERLYLDHNNLTRMPGPLPRSLRELHLHDHNQISRPVNNALEGLENLTALYLQHN EIQEVGSSMRGLRSLILDL SYNHLRKPVDGLPSALEQL YMEHNNVYTPDSYFRGAPKLLYVRLSHNSL TNNGLASNTFNSSSLELDL SYNQLQKIPPVNTNLENLYLQGNRINEFSSISFCTVVDVVFVSKLQVLR DGNEIKRSAMPADAPLCLRLASLIEI  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_002014</a></u>
RefSeq Size:	3271
RefSeq ORF:	1128
Synonyms:	FM; SLRR2E
Locus ID:	2331



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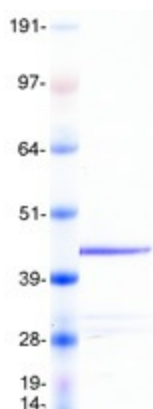
UniProt ID: [Q06828](#), [A0A024R971](#), [Q12833](#), [B3KS64](#)

Cytogenetics: 1q32.1

**Summary:** 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. [provided by RefSeq, Jun 2013]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified FMOD protein (Cat# [TP306534]). The protein was produced from HEK293T cells transfected with FMOD cDNA clone (Cat# [RC206534]) using MegaTran 2.0 (Cat# [TT210002]).