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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) MQWTSLLLLAGLFSLSQAQYEDDPHWWFHYLRSQQSTYYDPYDPYPYETYEPYPYGVDEGPAYTYGSPSP PDPRDCPQECDCPPNFPTAMYCDNRNLKYLPFVPSRMKYVYFQNNQITSIQEGVFDNATGLLWIALHGNQ ITSDKVGRKVFSKLRHLERLYLDHNNLTRMPGPLPRSLRELHLDHNQISRVPNNALEGLENLTALYLQHN EIQEVGSSMRGLRSLILLDLSYNHLRKVPDGLPSALEQLYMEHNNVYTVPDSYFRGAPKLLYVRLSHNSL TNNGLASNTFNSSSLLELDLSYNQLQKIPPVNTNLENLYLQGNRINEFSISSFCTVVDVVNFSKLQVLRL DGNEIKRSAMPADAPLCLRLASLIEI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_002014
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]).