

Datasheet for ABIN2721165

Fibromodulin Protein (FMOD) (Myc-DYKDDDDK Tag)



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1 Image

1 Publication

Overview

Quantity:	20 µg
Target:	Fibromodulin (FMOD)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fibromodulin protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:

- Recombinant human Fibromodulin protein expressed in HEK293 cells.
- Produced with end-sequenced ORF clone

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

Target Details

Target: Fibromodulin (FMOD)

Alternative Name: Fibromodulin ([FMOD Products](#))

Background: 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

Target Details

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 Weight: 41.2 kDa

NCBI Accession: [NP_002014](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

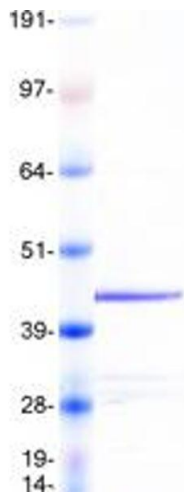
Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in: Montesinos-Rongen, Purschke, Brunn, May, Nordhoff, Marcus, Deckert: "Primary Central Nervous System (CNS) Lymphoma B Cell Receptors Recognize CNS Proteins." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 195, Issue 3, pp. 1312-9, (2015) ([PubMed](#)).



Western Blotting

Image 1. Validation with Western Blot