



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Filamin

Catalog No.
228-10475

Source:
Chicken Gizzard

Description

Ultra Pure Filamin having a Molecular mass of 250 kDa.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from a 1mg/ml solution containing 20 mM Tris / acetate buffer pH 7.6, 0.1mM EDTA, 2 mM DTT and 20 mM NaCl. Each mg Filamin contains 550mg urea.

Applications

- 1) Protein standard in 1D and 2D SDS gelelectrophoresis
- 2) Immunoassays
- 3) Immunization

Solubility

It is recommended to reconstitute the lyophilized Filamin in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Stability

Lyophilized Filamin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Filamin should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please avoid freeze-thaw cycles.

Purity

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Latest Publications

- 1) Identification of CAP as a Costameric Protein that Interacts with Filamin C. Mol Biol Cell 2007 Sep 26;
- 2) Chronic morphine treatment up-regulates mu opioid receptor binding in cells lacking filamin A. Brain Res 2007 Aug 16;
- 3) Filamin A negatively regulates the transcriptional activity of p73alpha in the cytoplasm. Biochem Biophys Res Commun 2007 Nov 3;362(4):1101-6
- 4) Structure of three tandem filamin domains reveals auto-inhibition of ligand binding. EMBO J 2007 Sep 5;26(17):3993-4004
- 5) Filamin A mutation is one cause of FG syndrome. Am J Med Genet A 2007 Aug 15;143(16):1876-9
- 6) Filamin B represses chondrocyte hypertrophy in a Runx2/Smad3-dependent manner. J Cell Biol 2007 Jul 2;178(1):121-8

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