

DATASHEET

Filamin

From turkey smooth muscle
(~92% purity)

Quantity: 100µg
Cat. #: 8312-01

For Use in Research Only.
Not for Use in Diagnostic Processes.

Product Description

Filamin from turkey gizzard is a homodimer with a molecular mass of 560kD, consisting of 24 repeats of ~96 amino acids and an N-terminal actin binding sequence. The protein concentration was determined at OD280 (0.1% = 0.69). Filamin (100ug) is supplied as lyophilized powder containing 20mM Tris pH 7.5, 10mM NaCl, 0.5mM DTT, 1.4% disaccharides upon reconstitution with 100µl H₂O.

Filamin is of high biological activity as routinely determined by low speed cosedimentation in the presence of sugars.

Product Handling

Preparation of a stock solution

Add 0.1ml of H₂O to the tube with filamin to obtain a working stock of 1mg/ml and vortex vigorously immediately for 30secs. Leave the protein to rehydrate for at least 1min at room temperature and vortex repeatedly until dissolved. Spin at 16.000xg for 30min to remove possible aggregates. The filamin stock solution is now ready-to-use.

To remove sugars from cryoconservation, which may interfere with binding sites, an exchange of buffer is recommended (20mM Tris pH 7.5, 10mM NaCl, 0.5mM DTT). Spin the stock solution after buffer exchange at 16.000xg for 30min.

Product Storage and Stability

The highest product performance is achieved when stored at -70° upon arrival for up to 6 months. Once dissolved filamin is kept on ice and will be stable for at least one week. The stability of the protein stock can be several weeks and should be individually determined by the user. Filamin can be stored as a 50% glycerol stock at -20°C.

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