

Product: Desmin
Catalog #: 03-62005 (250 mg)
03-62205 (100 mg)
Amount: 250 mg or
100 mg

SOURCE: Chicken gizzard
MOLECULAR WEIGHT: 53,000
ISOELECTRIC POINT: pI 5.4
PURITY: Greater than 98% determined by SDS-PAGE
FORM: Lyophilized, salt balance
APPLICATION: Protein standard in 1D and 2D SDS-gel electrophoresis
Immunoassay
Antigen for immunization.

RECONSTITUTION (250 µg): When reconstituted with 200µl H₂O dist, a final solution volume of 250 µl will contain 10mM sodium phosphate, pH 7.5, 6M urea, 2mM DTT, 1mM EDTA with a protein concentration of 1mg/ml (according to Bradford protein determination).

RECONSTITUTION (100 µg): When reconstituted with 80µl H₂O dist, a final solution volume of 100 µl will contain 10mM sodium phosphate, pH 7.5, 2mM DTT, 6M urea, 1mM EDTA with a protein concentration of 1mg/ml (according to Bradford protein determination).

STORAGE: a2-8°C (lyophilized), at -20°C (solution, aliquot)

Reconstitution to filaments is performed by dissolving in 6 M Urea buffer (see above) at concentrations of approx. 0.5 mg/ml. Protofilaments and filament complexes are obtained by dialyzing the resulting polypeptide solution stepwise to a concentration of 4 M Urea and then to low salt condition (50mM NaCl, 2 mM dithiothreitol, 10 mM Tris -HCl, pH 7.4).

For immunization purposes, the solution can be further dialyzed against PBS (e.g. Dulbecco's PBS)

REFERENCES:

Geisler, N. and Weber, K. (1980) Eur. J. Biochem. **111**: 425 ff,
Hatzfeld, M. & Franke, WW (1985) J. Cell Biol. **101**: 1826-1841
Hatzfeld, M. et al. (1987) J. Mol. Biol. **197**: 237-255

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