

**Product:** RNP 70 kDa Protein  
**Catalog #:** 03-62050  
**Amount:** 20 mg

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**SOURCE:** HeLa cells (human cell line)  
**MOLECULAR WEIGHT:** 70,000 (SDS-PAGE)  
**ISOELECTRIC POINT:** pHI 6.7-8.6  
**APPLICATION:** **Reference protein in SDS-PAGE and immuno blotting (Western blotting) or dot blotting**  
1-2 µg protein per lane is sufficient for SDS-PAGE  
0.5 µg protein sufficient for dot or immunoblotting  
**Coating protein for immunoassays**  
50 ng-100ng protein per well is sufficient

The 70 kDa protein is a target for anti-RNP sera. Autoimmune antibodies against this protein are present in sera from patients with MCTD but less frequently in patients with SLE.

**RECONSTITUTION:** When reconstituted with 200µl H<sub>2</sub>O bidest, solution will contain 25mM Tris, 190mM Glycin, pH 8.3, 0.025 % (w/v) SDS with a protein conc. of 0.1mg/ml (according to Bradford protein determination). For SDS-PAGE and immunoblotting reconstitution with 200 µl Laemmli buffer is recommended.

**PURITY & IDENTITY:** Preparation shows one 70 kDa band in SDS-Page analysis. This band is specifically immunoreactive with an anti 70 kD mAb.

**STORAGE:** 2-8°C for immediate use, or at -20°C (aliquot)

**REFERENCES:**

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Lührmann, R. (1988): In: Structure and function of major and minor small nuclear ribonucleoprotein particles. Birmstil, M.L. (ed.), Springer Verlag, Berlin/New York, pp. 71 ff  
Reichlin, M. and Van Venrooij, W.J (1991) Clin. exp. Immunol. 83: 286 ff  
Takeda, Y. et al. (1989) Clin. Immunol. Immunopathol. 50: 213 ff  
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