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Certificate of Analysis

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HeLa Nuclear Extract

Catalog # 12-309
Lot # DAM1400148

Product Description: Nuclear extract prepared from human HeLa cells using a modified protocol of Dignam, *et al.*, which contains a variety of DNA binding proteins and transcription factors.

Use: Add an equal volume of Laemmli reducing sample buffer to 5-10 μ L of lysate and boil for 5 minutes to reduce the preparation. Load 10-20 μ g of reduced lysate per lane for immunoblot analysis. This preparation may be used as a positive control for some of Upstate's antibodies.

Quantity and Formulation: 50 μ g in 25 μ L of RIPA buffer containing inhibitors. Concentration: 2 mg/mL. Frozen solution.

Storage and Stability: Stable for 6 months at -70°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

**FOR RESEARCH USE ONLY
NOT FOR USE IN HUMANS**

Reference:

Dignam, J D, *et al* (1983). Accurate transcription initiation by RNA polymerase II in a soluble extract from isolated mammalian nuclei. *Nucleic Acids Res* **11**: 1475-89.

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

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