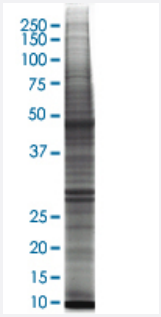
HL-60 (human promyelocytic leukemia) nuclear cell lysate (non-denatured)

Catalog # L014V4 Size 50 ug

Applications



SDS-PAGE Gel

Specification

Product Description	Nuclear extract cell lysate (non-denatured).
Tissue	Peripheral Blood
Host	Human
Preparation Method	Nuclear extract was prepared by using a modified protocol of Dignam et al. Cells were Harvested and homogenized in Buffer A, and then centrifugated at 25,000 g for 20 minutes to remove cytoplasm and pellet the nuclei. The pellet was re-suspended in Buffer C, and then the suspensions were centrifuged to collect nuclear extract. The supernatant was dialyzed against Buffer D. The dialysate was then centrifuged, divided into aliquots, and stored at -80°C. The protein concentration was determined by the method of Bradford (Bio-Rad protein assay, microplate standard assay). The lysate was adjusted to 2 mg/ml.
Lysis Buffer	Buffer A: 10mM HEPES pH 7.9, 1.5mM MgCl2, 10mM KCl, 0.5 mM DTT. Buffer C: 20mM HEPES pH 7.9, 25%(v/v) Glycerol , 0.42M NaCl , 1.5mM MgCl2, 0.2 mM EDTA, 0.5 mM DTT & 0.5 mM PMSF. Buffer D : 20mM HEPES pH 7.9, 20%(v/v) glycerol, 50mM KCl, 0.2 mM EDTA, 0.5 mM DTT & 0.5 mM PMSF.
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue. SDS-PAGE Gel

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Recommend Usage	Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Storage Buffer	In Buffer D.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

  Protocol Download

- Western Blot

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