



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### Recombinant Nucleosome (*E. coli*)

Human, recombinant

**Catalog #:** 52038

**Lot #:** 150520 **Conc.:** 0.75 mg/ml (Protein only)

**Formulated in:** 20 mM Tris-HCl, pH 7.5, 1 mM EDTA, 1mM DTT and 20% glycerol.

**Stability:** At least 6 months at  $-80^{\circ}\text{C}$ . *Avoid freeze/thaw cycles. Storing diluted protein is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).*

#### References:

1. Meagher, R.B., Mussar, K.J., *Epigenetics Chromatin* 2012 Jul 20;**5(1)**:11.
2. Huang, H., *et al.*, *Biosystems* 2012 Aug;**109(2)**:214-9.

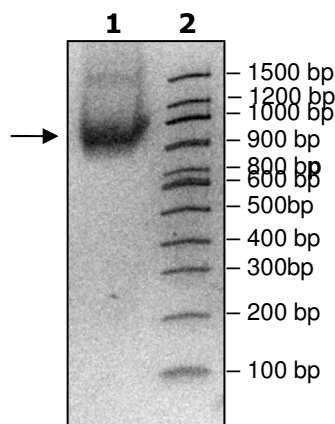
**Description:** Human recombinant nucleosomes consisting of 147 bp DNA (PCR) and 2 molecules each of histones H2A (a.a. 2-130(end)), H2B (a.a. 2-126(end)), H3 (a.a. 2-137(end)), and H4 (a.a. 2-103(end)), expressed in an *E. coli* expression system. GenBank Accession Nos. are NM\_033445, NM\_003528, NM\_003532, and NM\_003548, respectively. Each histone protein has an N-terminal His-tag. Total histone MW = 113.8 kDa. Concentration is determined by Bradford.

**Application:** Substrate for histone methyltransferase assays. Ideal for screening small molecular inhibitors of histone methyltransferases for drug discovery and HTS applications.

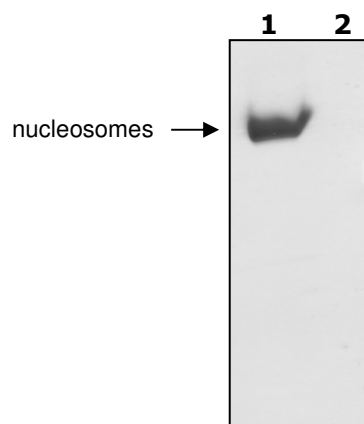
## Quality Assurance

### 4-20% Native gel

#### Ethidium Bromide staining



#### Coomassie staining



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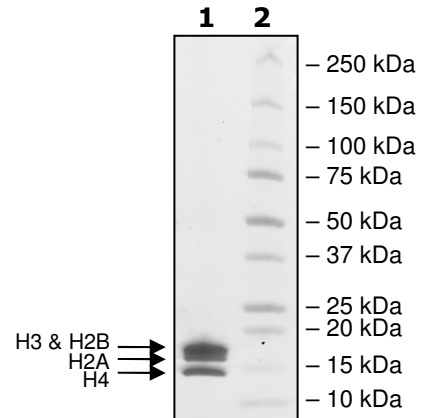
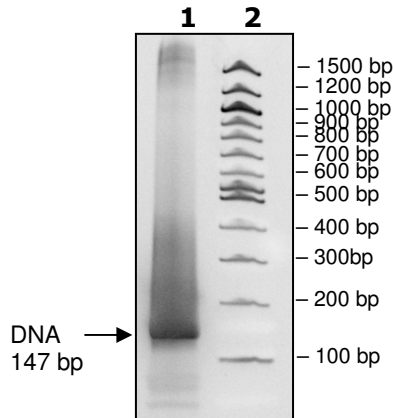
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**4-20% SDS-PAGE gel**

**Ethidium Bromide staining**

**Coomassie staining**

**Lane 1:**  
 1.5 µg each Histone  
**Lane 2:**  
 DNA Marker, NEB  
 100bp ladder  
 (Ethidium Bromide) /  
 BioRad Protein Marker  
 (# 061-0373)  
 (Coomassie)



**Purity: ≥90 %**

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