



# 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

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### Histone Octamer (full length)

Human, recombinant

**Catalog #:** 52040

**Lot#:** 130422      **Conc.:** 0.25 mg/ml

**Formulated in:** 45 mM Tris pH 7.5, 2M NaCl, and 10% glycerol.

**Stability:** >6 months at -80°C

**References:**

1. Miller, K.M., Jackson, S.P., *Biochem Soc Trans.* 2012; **40(2)**: 370-6.
2. Raut, V.V., *et al.*, *Ann Bot.* 2011; **108(7)**:1235-46.

**Description:**

Human recombinant histone octamer consisting of 2 molecules each of histones H2A (a.a. 1-130(end)), H2B (a.a. 1-126(end)), H3 (a.a. 1-136(end)), and H4 (a.a. 1-103(end)), expressed in an *E. coli* expression system. GenBank Accession Nos. are NM\_033445, NM\_003528, NM\_003532, and NM\_003548, respectively. Global MW = 110 kDa.

**Application:**

A perfect substrate for histone methyltransferases.

## Quality Assurance

**4-20% SDS-PAGE  
Coomassie staining**

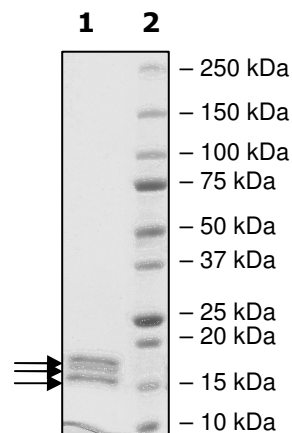
**Lane 1:**  
2 µg Octamer

**Lane 2:**  
Protein Marker

**Global MW:** 110 kDa

**Purity:** ≥99%

Histone H2B & Histone H3  
Histone H2A  
Histone H4



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**Sequences:**

**Histone H2A**

MSGRGKQGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGNYSERVGAGAPVYLAHVLEY  
LTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNLLGRVTIAQGGVLPNIQAVLLPKKT  
ESHHKAKGK

**Histone H2B**

MPEPAKSAPAPKKGSKKAVTKAQKKGKRRKRSRKESYSIYVYKVLKQVHPDTGISSKA  
MGIMNSFVNDIFERIAGEASRLAHYNKRSTITSREIQTAVRLLLPGELAKHAVSEGTKAVTK  
YTSSK

**Histone H3**

MARTKQTARKSTGGKAPRKQLATKAARKSAPATGGVKKPHRYRPGTVALREIRRYQKST  
ELLIRKLPFQRLVREIAQDFKTDLRFQSSAVMALQEACEAYLVGLFEDTNLCAIHAKRVTIM  
PKDIQLARRIRGERA

**Histone H4**

MGSGRGKGGKGLGKGGAKRHRKVLDRDNIQGITKPAIRRLARRGGVKRISGLIYEETRGVL  
KVFLENVIRDAVTYTEHAKRKTVTAMDVVYALKRQGRRTLYGFGG

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