



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

### Histone H3 K27cMe2, Full Length

Human, recombinant, N-terminal His-tag

**Catalog #:** 52082

**Lot#:** 140207      **Conc.:** 0.74 mg/ml

**Formulated in:** PBS (8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl), 20% glycerol.

**Stability:** >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. Simon, M.D., *et al. Cell* 2007; **128**: 1003-1012.
2. Raut, V.V., Pandey, S.M., Sainis, J.K. *Ann Bot.* 2011; **108(7)**:1235-46.

**Description:**

Human recombinant histone H3 (a.a. 1-136(end)) with K27C, C97A, and C111A mutations, and an N-terminal His-tag, expressed in an *E. coli* expression system. GenBank Accession No. NM\_003532. The protein has been alkylated to produce the lysine analog, dimethyl aminoethylcysteine. MW = 16 kDa.

**Application:**

A perfect substrate for histone methyltransferases and demethylases.

## Quality Assurance

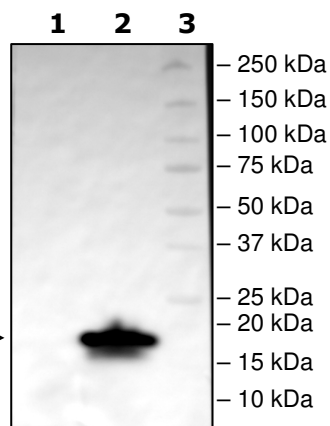
**Western Blot**

**4-20% SDS-PAGE**  
**Anti-H3K27me2**

**Lane 1:**  
 2  $\mu\text{g}$  Histone H3K27C  
 (Unmethylated)

**Lane 2:**  
 2  $\mu\text{g}$  Histone  
 H3K27cMe2

**Lane 3:**  
 Protein Marker



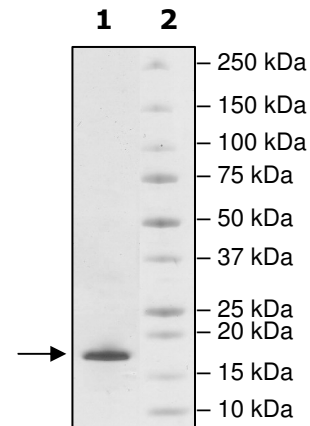
**Coomassie Stain**

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

**Lane 1:**  
 2  $\mu\text{g}$  Histone  
 H3K27cMe2

**Lane 2:**  
 Protein Marker

**MW:** 16 kDa  
**Purity:**  $\geq 90\%$



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