



# SZABO SCANDIC

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### G9a (EHMT2)

Human, recombinant, N-terminal GST tag

**Catalog#:** 51001

Lot# 130827                      Conc. 0.27 mg/ml

**Formulated in:** 45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 Mm KCl, 3 mM DTT and 10% glycerol.

**Stability:** >6 months at  $-70^{\circ}\text{C}$ . Avoid freeze/thaw cycles.

**References:**

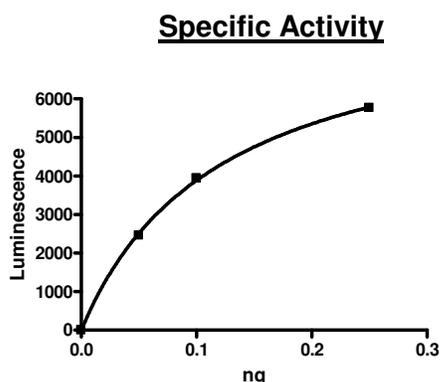
1. Yuan, X. et al., Mol. Cell **27** (4), 585-595 (2007).
2. Nishida, M. et al., Genes Cells **12** (7), 877-888 (2007).

**Description:** Human G9a (euchromatic histone-lysine N-methyltransferase 2) (GenBank Accession No. NM\_006709) (amino-acids 785-1210), with N-terminal GST tag, MW = 74.6 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

**Specific Activity:** 73.7 pmol/min/ $\mu\text{g}$   
 Assay conditions: 50  $\mu\text{l}$  reaction mix (50 mM TRIS pH 8.8, 5mM MgCl<sub>2</sub>, 4mM DTT, 0.05% Tween-20, 40  $\mu\text{M}$  S-adenosylmethionine, and G9a (0.05 – 0.5 ng) add to the wells coated with the substrate on a GBioscience Neutravidin black plate. Incubate for 1 hr. Add antibody against methylated K9 residue of histone H3, incubate 1 hr. Then, add secondary HRP-labeled antibody and incubate 30 min. Finally, add HRP chemiluminescent substrates and read luminescence.

**Application:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

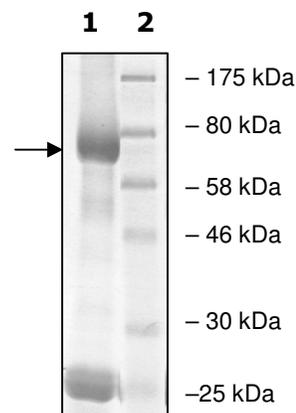
### Quality Assurance



**10% SDS-PAGE**  
**Coomassie staining**

**Lane 1:**  
5  $\mu\text{g}$  G9a  
**Lane 2:**  
Protein Marker

**MW:** 74.6 kDa  
**Purity:**  $\geq 50\%$



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