



# SZABO SCANDIC

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Data Sheet

### SET7/9

Human, recombinant, N-terminal GST tag

**Catalog #:** 51010

Lot#: 120314                      Conc.: 1.21 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
110 mM NaCl, 2.2 mM KCl, 16 mM  
Glutathione, 20% Glycerol, and 3 mM DTT.

**Stability:** >6 months at -80 °C

#### References:

1. Ivanov G.S. *et al.*, *Mol. Cell. Biol.* **27** (19), 6756-6769 (2007).
2. Couture J.F. *et al.*, *Nat. Struct. Mol. Biol.* **13** (2), 140-146 (2006).

#### Description:

Human recombinant SET7/9 (amino-acids 52-end) with N-terminal GST tag (GenBank Accession No. NM\_030648), expressed in an *E. coli* expression system. MW=61 kDa.

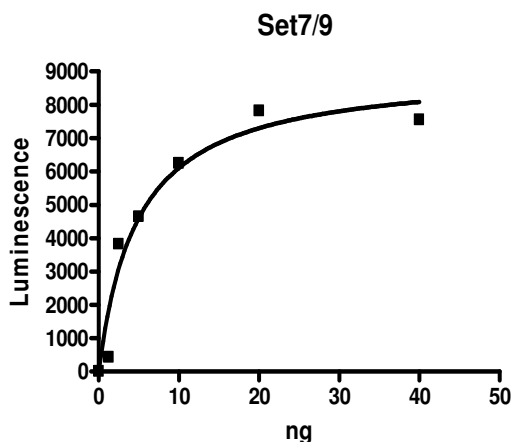
**Specific Activity:** 0.58 pmol/min/μg.

Assay conditions: 50 μl reaction mix (50 mM TRIS pH8.8, 5 mM MgCl<sub>2</sub>, 4 mM DTT, 20 μM S-adenosylmethionine, and 0-10 ng SET7/9) add to the wells coated with the substrate. Incubate at room temperature for 1 hr. Add antibody against methylated K4 residue of histone H3, incubate 1 hr. Then incubate 30 mins with HRP-labeled secondary antibody. Finally, add HRP chemiluminescent substrates and read luminescence.

#### Application:

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

## Quality Assurance



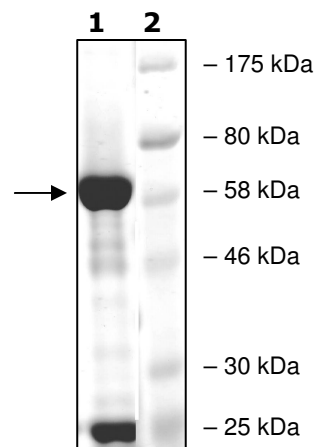
#### 10% SDS-PAGE Coomassie staining

**Lane 1:**  
5 μg SET7/9

**Lane 2:**  
Protein Marker  
BioLabs (#P7708L)

**MW:** 61 kDa

**Purity:**  
≥55%



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