



# SZABO SCANDIC

Part of Europa Biosite

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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### Sirtuin 5

Human, recombinant, N-terminal GST tag

**Catalog #:** 50016

**Lot#:** 130110      **Conc.:** 0.94 mg/ml

**Formulated in:** 45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM KCl, 18 mM glutathione and 10% glycerol.

**Stability:** >6 months at -80°C

**References:**

1. Mahlknecht, U. *et al.*, (2006) *Cytogenet. Genome Res.* **112**, 208-212.
2. Frye, R.A. (2000) *Biochem. Biophys. Res. Commun.* **273**, 793-798.

**Description:**

Human Sirtuin 5 (GenBank Accession No. NM\_012241), full length with N-terminal GST tag, MW= 59.8 kDa, expressed in *E. coli* expression system.

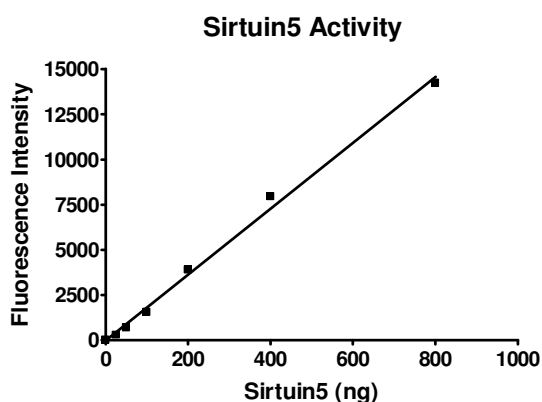
**Specific Activity:** 3.6 pmole/min/μg

**Assay Conditions:** 50 mM Tris-HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl<sub>2</sub>, 0.05% Tween 20, 500 μM NAD<sup>+</sup>, 200 μM Sirtuin 5 substrate, and Sirtuin 5. Incubate for 30 minutes at 37°C. Fluorescence intensity is measured at exc360/em460.

**Application:**

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

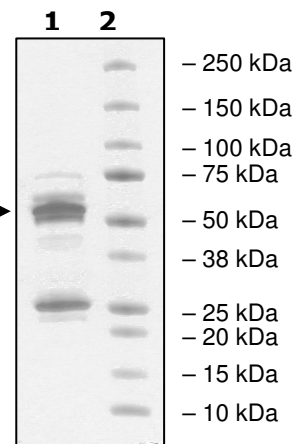
### Quality Assurance



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

**Lane 1:**  
 6 μg Sirtuin 5  
**Lane 2:**  
 Protein Marker

**MW:** 59.8 kDa  
**Purity:** ≥50%



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