



# 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

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Data Sheet

### Sirtuin3, GST-Tag

Human, Recombinant, N-terminal GST tag

**Catalog #:** 50014

**Lot #:** 181005

**Conc.:** 0.23 mg/ml

**Formulated in:** 40mM Tris-HCl pH8.0, 110mM NaCl, 2.2mM KCl, and 20% glycerol

**Stability:** At least 6 months at  $-80^{\circ}\text{C}$ . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

#### References:

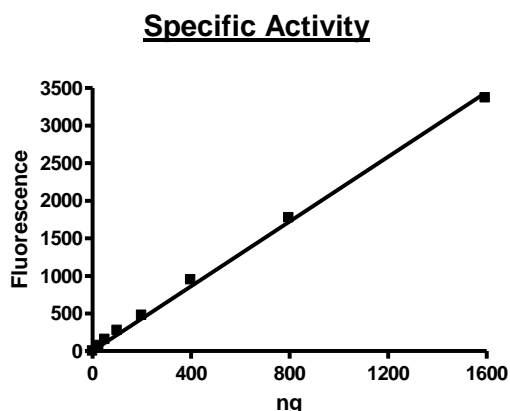
1. Scher, M.B. *et al.*, *Genes Dev.* **21 (8)**, 920-928 (2007)
2. Bellizzi, D. *et al.*, *Genomics* **89 (1)**, 143-150 (2007)

**Description:** Human Sirtuin 3 (GenBank Accession No. NM\_012239), amino acids 102-399 with N-terminal GST tag, MW= 59 kDa, expressed in *E. coli* expression system.

**Specific Activity:** 3.7 pmole/min/ $\mu\text{g}$ .  
Assay conditions: 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM  $\text{MgCl}_2$ , and 0.1 mg/ml BSA, 20  $\mu\text{M}$  BPS HDAC substrate 1 (Catalog #50032), 500  $\mu\text{M}$   $\text{NAD}^+$  and Sirtuin 3 (16 – 2000 ng). Incubation condition: 30 min at  $37^{\circ}\text{C}$  followed by developing for 15 min at room temperature.

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

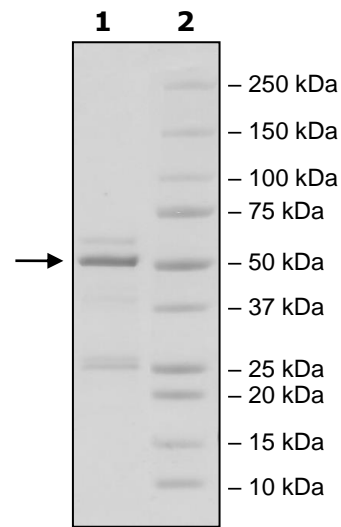
### Quality Assurance



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

**Lane 1:**  
3 $\mu\text{g}$  SIRT3  
**Lane 2:**  
Protein Marker

**MW:** 59kDa  
**Purity:** 63%



OUR PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

To place your order, please contact us by Phone **1.858.829.3082**, Fax **1.858.481.8694**

Or you can Email us at: [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

Please visit our website at: [www.bpsbioscience.com](http://www.bpsbioscience.com)