



# 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) 

## Datasheet

### SIRT3 (Human) Recombinant Protein (P01)

**Catalog Number:** H00023410-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human SIRT3 full-length ORF (AAH01042, 1 a.a. - 399 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAFWGWRAAAALRLWGRVVERVEAGGGVGPFGACG  
CRLVLGGRDDVSAGLRGSHGARGEPLDPVRPLQRPP  
RPEVPRAFRRQPRAAAPSFFSSIKGGRRSISFSVGAS  
SVVGGSSDKGKLSLQDVAELIRARACQRVVVMVG  
AGISTPSGIPDFRSPGSLYLNQQYDLPYPEAIFELPF  
FFHNPKPFFTLAKELYPGNYKPNVTHYFLRLLHDKGLL  
LRLYTQNIDGLERVSGIPASKLVEAHGTFASATCTVCQ  
RPFPGEDIRADVMADRVPRCPVCTGVVKPDIVFFGEP  
LPQRFLLVVDVDFPMADLLLLILGTSLEVEPFASLTEAVRS  
SVPRLINRDLVGLAWHPRSRDVAQLGDVVHGVESL  
VELLWTEEMRDLVQRETGKLDGPK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 69.63

**Interspecies Antigen Sequence:** Mouse (83); Rat (85)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 23410

**Gene Symbol:** SIRT3

**Gene Alias:** SIR2L3

**Gene Summary:** This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Two alternatively spliced transcript variants that encode different proteins have been described for this gene. [provided by RefSeq]

**References:**

1. Mitochondrial SIRT3 and its target glutamate dehydrogenase are altered in follicular cells of women with reduced ovarian reserve or advanced maternal age. Pacella-Ince L, Zander-Fox DL, Lane M Hum Reprod. 2014 Apr 25.