



# 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

### S100A1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00006271-P01

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

**Product Description:** Human S100A1 full-length ORF (AAH14392, 1 a.a. - 94 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGSELETAMETLINVFAHSGKEGDKYKLSKKEKELL  
QTELSGFLDAQKDVAVDKVMKELDENGDFGEVDFQE  
YVVLVAALTVACNNFFWENS

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

**Theoretical MW (kDa):** 36.08

**Interspecies Antigen Sequence:** Mouse (94); Rat (94)

**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:** 6271

**Gene Symbol:** S100A1

**Gene Alias:** S100, S100-alpha, S100A

**Gene Summary:** The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized

in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca<sup>2+</sup>-induced Ca<sup>2+</sup> release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies. [provided by RefSeq]

**References:**

1. Dorsal root ganglia in Friedreich ataxia: satellite cell proliferation and inflammation. Koeppen AH, Ramirez RL, Becker AB, Mazurkiewicz JE. Acta Neuropathol Commun. 2016 May 3.4(1):46.