



# 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) 

## AHA1 Protein

Mouse Recombinant AHA1 Protein  
Catalog No. SPR-311



Discovery through partnership | Excellence through quality

### Overview

---

#### Product Name

AHA1 Protein

#### Description

Mouse Recombinant AHA1 Protein

#### Applications

WB, SDS-PAGE, Functional Assay

#### Concentration

0.6 mg/ml

#### Conjugates

His tag

#### Nature

Recombinant

#### Species

Mouse

#### Expression System

E. coli

#### Amino Acid Sequence

MGHHHHHHMAKWGEGDPRWIVEERADATNVNWWHWTERDASNWSTEKLKTFLAVRVENEEGKCEVTEVNKLDGEASINNRKGKLIFFYEWTIKLNW  
TGTSKSGVQYKGHVEIPNLSDENSVDEVEISVSLAKDEPDNTNLVALMKEDGVKLLREAVGIYSTLKTEFTQGMILPTVNGESVDPVGPALKTETCKAKSA

### Properties

---

#### Storage Buffer

25mM HEPES buffer pH7.2, 100mM KOAc, 50% glycerol

#### Storage Temperature

-20°C

#### Shipping Temperature

Blue Ice or 4°C

#### Purification

Affinity Purified

#### Specificity

---

~38 kDa

---

### Cite This Product

---

Mouse Recombinant AHA1 Protein (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPR-311)

---

### Certificate Of Analysis

---

This product has been certified >90% pure using SDS-PAGE analysis. 2uM SPR-311 generated a 9-fold ATPase activation of 2uM HSP90 (His-tagged HSP90 beta) in 33mM Hepes pH7.2, 30mM NaCl, 5mM MgCl<sub>2</sub>, 1mM DTT, 1.5mM ATP in a 100ul reaction at 37 degrees C. (This is an enzyme-linked ATP regeneration assay tracking loss of NADH absorbance at 340nm.)

---

## Biological Description

---

### Alternative Names

Aha1 Protein, SHSA1 Protein, HSPC322 Protein, p38 Protein

---

### Research Areas

Cancer, Heat Shock, Cell Signaling, Chaperones, Trafficking

---

### Cellular Localization

Cytoplasm

---

### Accession Number

NP\_666148.1

---

### Gene ID

217737

---

### Swiss Prot

Q8BK64

---

### Scientific Background

Aha1 is a member of the HSP90 cochaperone family, and is thought to stimulate HSP90 ATPase activity by competing with p23 and other co-chaperones for HSP90 binding (1, 2). It may affect a step in the endoplasmic reticulum to Golgi trafficking. Aha1 also interacts with HSPCA/HSP90 and with the cytoplasmic tail of the vesicular stomatitis virus glycoproteins (VSV G) (3). Aha1 is expressed in numerous tissues, including the brain, heart, skeletal muscle, and kidney, and at low levels, the liver and placenta. Aha1 might be a potential therapeutic strategy to increase sensitivity to HSP inhibitors (4).

---

### References

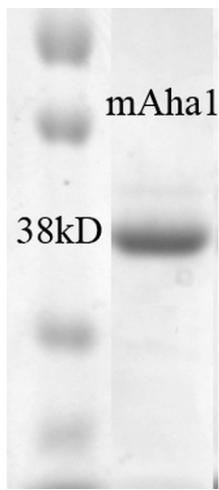
1. Hainzl O., Lapina M.C., Buchner J., Richter K. (2009) J Biol Chem. Epub.
2. Harst A., Lin H., Obermann W.M. (2005) Biochem J. 387 (pt.3): 789-796.
3. Lotz G.P., Brychzy A., Heinz S., Obermann W.M. (2008) J Cell Sci. 121(pt.5): 717-723.
4. Holmes J.L., Sharp S.Y., Hobbs S., Workman P. (2008) Cancer Res. 68(4): 1188-1197.

---

## Product Images

---

SDS-PAGE of ~38kDa his-tagged mouse Aha1 protein (SPR-311).



### Product Citations (0)

---

Currently there are no citations for this product.

### Reviews

---

There are no reviews yet.