



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

www.szabo-scandic.com

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

Cpn10 Protein

Human Recombinant Cpn10 Protein
Catalog No. SPR-310



Discovery through partnership | Excellence through quality

Overview

Product Name

Cpn10 Protein

Description

Human Recombinant Cpn10 Protein

Applications

WB, SDS-PAGE

Concentration

0.9 mg/ml

Conjugates

No tag

Nature

Recombinant

Species

Human

Expression System

E. coli

Amino Acid Sequence

MAGQAFRKFLPLFDRVLVERSAAEVTKGGIMLPEKSQGKVLQATWAVGSGSKGKGGEIQVSVKVGDKVLLPEYGGTKVLLDDKDYFLFRDGDILGKYVD

Properties

Storage Buffer

20mM Tris, pH7.5, 0.3M NaCl, 10% glycerol, 1 mM DTT

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Multi-Step Purified

Specificity

~10 kDa

Cite This Product

Human Recombinant Cpn10 Protein (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPR-310)

Certificate Of Analysis

This product has been certified >90% pure using SDS-PAGE analysis.

Biological Description

Alternative Names

10kDa Chaperonin Protein, Chaperonin 10 Protein, Cpn 10 Protein, EPF Protein, GROES Protein, Heat Shock 10kD protein1 Protein, HSP10 Protein, HSPE1 Protein

Research Areas

Cancer, Heat Shock

Cellular Localization

Mitochondrion Matrix

Accession Number

NM_002157.2

Gene ID

3336

Swiss Prot

P61604

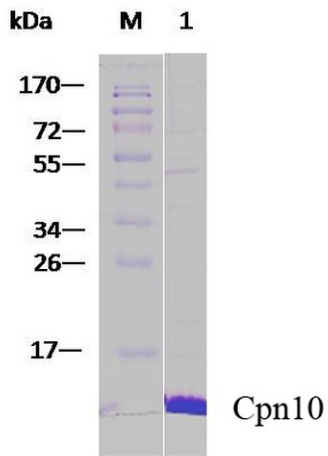
Scientific Background

Chaperonin 10, otherwise known as Cpn10, (groES in E.coli) make up a family of small heat shock proteins with an approximate molecular mass of 10kDa (HSP10s). Cpn10 acts as a co-chaperone and interacts with the HSP60 family to promote proper folding of polypeptides. Cpn10 and Cpn60 both exhibit sevenfold axis of symmetry and function as a team in the protein folding and assembly process (1). Cpn10 has been located in human platelets, but is also present in human maternal serum (2, 3). It has been reported that human Cpn10 is identical with early pregnancy factor, which is involved in control over cell growth and development. This identification suggest that Cpn10 may act like a hormone in stressful situations such as pregnancy (4).

References

1. Velez-Granell C.S., et al. (1994) *J of Cell Science*. 107(3):539-549.
 2. Morton H., Hegh V., and Clunie G.J.A. (1974) *Nature (London)* 249: 459-460.
 3. Cavanagh A.C., and Morton H. (1994) *Eur. J. Biochem.* 222: 551-560.
 4. Minto M., et al. (1998) *Molecular Cell Research*. 1403 (2): 151-157.
-

Product Images



Product Citations (1)

Other Citations

Monocyte cytokine synthesis in response to extracellular cell stress proteins suggests these proteins exhibit network behaviour.

Kaiser, F., Steptoe, A., Thompson, S. and Henderson, B. -2014 Cell Stress Chaperones. 19(1):135-44.

PubMed ID: 23775284 **Applications:** Functional Assay

Reviews

Based on validation through cited publications.



StressMarq Biosciences

June 15, 2016: