



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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- 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) 

## CAST 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00000831-T03

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

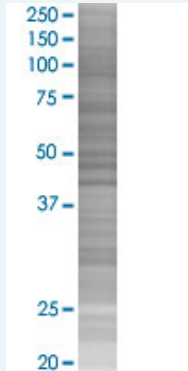
**Plasmid:** pCMV-CAST full-length

**Host:** Human

**Theoretical MW (kDa):** 74.1

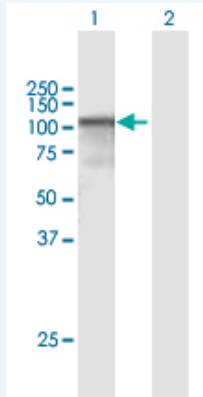
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-CAST antibody (H00000831-D01P) by Western Blots.

#### SDS-PAGE Gel



CAST transfected lysate.

#### Western Blot



Lane 1: CAST transfected lysate ( 74.10 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

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

**MSDS:**  [Download](#)

### Applications

### Application Image

Western Blot

## Western Blot

### Gene Information

Entrez GeneID: [831](#)

GeneBank Accession#: [NM\\_173060.2](#)

Protein Accession#: [NP\\_775083.1](#)

Gene Name: CAST

Gene Alias: BS-17,MGC9402

Gene Description: calpastatin

Omim ID: [114090](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is an endogenous calpain (calcium-dependent cysteine protease) inhibitor. It consists of an N-terminal domain L and four repetitive calpain-inhibition domains (domains 1-4), and it is involved in the proteolysis of amyloid precursor protein. The calpain/calpastatin system is involved in numerous membrane fusion events, such as neural vesicle exocytosis and platelet and red-cell aggregation. The encoded protein is also thought to affect the expression levels of genes encoding structural or regulatory proteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length natures of only some have been determined. [provided by RefSeq]

Other Designations: OTTHUMP00000158519,OTTHUMP00000158520,calpain inhibitor,heart-type calpastatin,sperm BS-17 component

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