



# 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

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## Datasheet

### CAPNS1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000826-P01

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

**Product Description:** Human CAPNS1 full-length ORF (AAH21933.1, 1 a.a. - 268 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MFLVNSFLKGGGGGGGGGGGLGGGLGNVLGGLISGA  
GGGGGGGGGGGGGGGGGGGGGTAMRILGGVISAISE  
AAAQYNPEPPPPRTHYSNIEANESEEVQRRLFAQL  
AGDDMEVSATELMNILNKVVTRHPDLKTDGFGIDTCR  
SMVAVMDSDDTGKLGFEFKYLWNNIKRWQAIYKQFD  
TDRSGTICSELPGAFAAGFHLNEHLYNMIIRYSDE  
SGNMDFDNFISCLVRLDAMFRAFKSLDKDGTGQIQVNI  
QEWLQLTMFS
```

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

**Theoretical MW (kDa):** 54.7

**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:** 826

**Gene Symbol:** CAPNS1

**Gene Alias:** 30K, CALPAIN4, CANP, CANPS, CAPN4, CDPS

**Gene Summary:** Calpains are a ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. Calpain families have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. Calpain I and II are heterodimeric with distinct large subunits associated with common small subunits, all of which are encoded by different genes. This gene encodes a small subunit common to both calpain I and II and is associated with myotonic dystrophy. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]