



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

### CASP3 (Human) Recombinant Protein (P02)

**Catalog Number:** H00000836-P02

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

**Product Description:** Human CASP3 full-length ORF (AAH16926.1, 1 a.a. - 277 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MENTENSVDSKSIKNLEPKIIHGSESMDSGISLDNSYK  
MDYPEMGLCIIINNKNFHKSTGMTSRSGTDVDAANLRE  
TFRNLKYEVNRKNDLRTREEIVELMRDVSKEDHSKRSS  
FVCVLLSHGEEGIIIFGTNGPVDLKKITNFFRGDRCSRSLT  
GKPKLFIQACRGTELDGCIETDSGVDDDMACHKIPVE  
ADFLYAYSTAPGYYSWRNSKDGSWFIQSLCAMLKQY  
ADKLEFMHILTRVNRKVATEFESFSFDATFHAKKQIPCI  
VSMLTKELYFYH

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

**Theoretical MW (kDa):** 58

**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:** 836

**Gene Symbol:** CASP3

**Gene Alias:** CPP32, CPP32B, SCA-1

**Gene Summary:** This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein. [provided by RefSeq]