



# 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

### CASP4 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000837-P01

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

**Product Description:** Human CASP4 full-length ORF (AAH17839, 1 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAEGNHRKKPLKLVLESLGKDFLTGVLDNLVEQNVLNW  
KEEEKKKYYDAKTEDKVRVMADSMQEKQRMAGQMLL  
QTFNIDQISPNKKAHPNMEAGPPESGESTDALKLCPH  
EEFLRLCKERAEEIYPIKERNRRLALICNTEFDHLP  
RNGADFDITGMKELLEGLDYSVDVEENLTARDMESAL  
RAFATRPEHKSSDSTFLVLM SHGILEGICGTVHDEKPP  
DVLLYDTIFQIFNNRNCLSLKDKPKVIIVQACRGANRGE  
LWVRDSPASLEVASSQSSENLEEDAVYKTHVEKDFIAF  
CSSTPHNVSWRDSTMGSIFITQLITCFQKYSWCCHLEE  
VFRKVQSQSFETPRAKAQMPTIERLSMTRYFYLFPGN

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

**Theoretical MW (kDa):** 67.21

**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:** 837

**Gene Symbol:** CASP4

**Gene Alias:** ICE(rel)II, ICEREL-II, ICH-2, Mih1/TX, TX

**Gene Summary:** This gene encodes a protein that 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 composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq]