



# SZABO SCANDIC

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## 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

### CASP1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000834-P01

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

**Product Description:** Human CASP1 full-length ORF ( NP\_150635.1, 1 a.a. - 311 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MADKVLKEKRKLFIRSMGEAPQAVQDNPAMPTSSGSE  
GNVKLCSLEEAQRIWKQKSAEIYPIMDKSSRTRLALIIC  
NEEFDSIPRRTGAEVDITGMTMLLQNLGYSVDVKKNL  
ASDMTTELEAFahrPEHKTSDSTFLVFMShGIREGICG  
KKHSEQVPDILQLNAIFNMLNNTKNCPSLKDkPKViiiQAC  
RGDSPGVVWFKDSVGVSGNLSLPTTEEFEDDAIKKAH  
IEKDFIAFCSSTPDNVSWRHPTMGsvFIGRLIEHMQEY  
ACSCDVEEiFRKVRFSFEQPDGRAQMPTTERVTLTRC  
FYLFPGH

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

**Theoretical MW (kDa):** 61.4

**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:** 834

**Gene Symbol:** CASP1

**Gene Alias:** ICE, IL1BC, P45

**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 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing of this gene results in five transcript variants encoding distinct isoforms. [provided by RefSeq]