



# 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

### CTSD (Human) Recombinant Protein (P01)

**Catalog Number:** H00001509-P01

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

**Product Description:** Human CTSD full-length ORF (AAH16320, 26 a.a. - 412 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

LHKFTSIRRTMSEVGGSVEDLIAKGPVSKYSQAVPAVT  
EGPIPEVLKNYMDAQYYGEIGTTPQCFTVVFDTGSS  
NLWVPSIHCKLLDIACWIIHHKYNSDKSSTYVKNGTSFD  
IHYGSGSLSGYLSQDTVSVPCQSASSASALGGVKVER  
QVFGAATKQPGITFIAAKFDGILGMAYPRISVNNVLPVF  
DNLMQQLVDQNIFSFLSRDPDAQGGELMLGGTD  
SKYYKGSLSYLVNTRKAYWQVHLDQVEVASGLTLCKE  
GCEAIVDTGTSLMVGPVDEVRELQKIGAVPLIQGEYM  
IPCEKVSTLPAITLKLGGKGYKLSPEYTLKVSQAGKTL  
CLSGFMGMDIPPPSGPLWILGDVFIGRYTTFDRDNN  
RVGFAEAARL

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

**Theoretical MW (kDa):** 71.06

**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:** 1509

**Gene Symbol:** CTSD

**Gene Alias:** CLN10, CPSD, MGC2311

**Gene Summary:** This gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. This proteinase, which is a member of the peptidase C1 family, has a specificity similar to but narrower than that of pepsin A. Transcription of this gene is initiated from several sites, including one which is a start site for an estrogen-regulated transcript. Mutations in this gene are involved in the pathogenesis of several diseases, including breast cancer and possibly Alzheimer disease. [provided by RefSeq]