



# 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

### CTSB (Human) Recombinant Protein (P02)

**Catalog Number:** H00001508-P02

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

**Product Description:** Human CTSB full-length ORF (NP\_001899.1, 1 a.a. - 339 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MWQLWASLCCLLVLANARSRPSFHPLSDELVNYVVK  
RNTTWQAGHNFYNDMSYLKRLCGTFLGGPKPPQRV  
MFTEDLKLPAFDAREQWPQCPTIKEIRDQGSCGSCW  
AFGAVEAISDRICHTNAHVSVEVSAEDLLTCCGSMCG  
DGCNGGYPAEAWNFWTRKGLVSGGLYESHVGCRPY  
SIPPCEHHVNGSRPPCTGEGDTPKCSKICEPGYSPTY  
KQDKHYGYSYSVSNSEKDIMAEIYKNGPVEGAFSVY  
SDFLLYKSGVYQHVTGEMMGGHAIRILGWGVENGTPY  
WLVANSWNTDWGDNGFFKILRGQDHCGIESEVVAGIP  
RTDQYWEKI

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

**Theoretical MW (kDa):** 64.2

**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:** 1508

**Gene Symbol:** CTSB

**Gene Alias:** APPS, CPSB

**Gene Summary:** The protein encoded by this gene is a lysosomal cysteine proteinase composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. It is also known as amyloid precursor protein secretase and is involved in the proteolytic processing of amyloid precursor protein (APP). Incomplete proteolytic processing of APP has been suggested to be a causative factor in Alzheimer disease, the most common cause of dementia. Overexpression of the encoded protein, which is a member of the peptidase C1 family, has been associated with esophageal adenocarcinoma and other tumors. At least five transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]