

## Active Recombinant Human CTSB protein, His-tagged

**Cat. No.** CTSB-169H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human CTSB protein(Arg18-Ile339) (NP_001899.1) was expressed in HEK293 with a C-terminal polyhistidine tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	18-339 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC. The specific activity is >2,500 pmoles/min/μg.
<b>Molecular Mass</b>	The recombinant human CTSB existing as the proform consists of 332 amino acids and has a predicted molecular mass of 37.2 kDa. rhCTSB migrates with the molecular weight of 36 and 43 kDa as the proform and mature form respectively in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per μg protein as determined by the LAL method.
<b>Purity</b>	> 97 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** CTSB cathepsin B [ Homo sapiens ]

**Official Symbol** CTSB

**Synonyms** CTSB; cathepsin B; cathepsin B1; APP secretase; cysteine protease; amyloid precursor protein secretase; APPS; CPSB;

**Gene ID** 1508

**mRNA Refseq** NM\_001908

**Protein Refseq** NP\_001899

**MIM** 116810

**UniProt ID** P07858

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA