

Active Recombinant Human CTSB protein, His-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human CTSB protein(Arg18-Ile339) (NP_001899.1) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	18-339 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC. The specific activity is >2,500 pmoles/min/μg.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	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-

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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

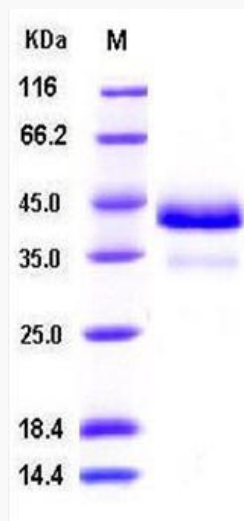
UniProt ID P07858

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SDS-PAGE



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