

Active Recombinant Human CTSB protein, His-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human CTSB protein(NP_001899.1)(Arg18-Ile339) is expressed in HEK293, fused with a His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	18-339 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC. The specific activity is >3468 pmoles/min/µg.
Molecular Mass	36.74 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL

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in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

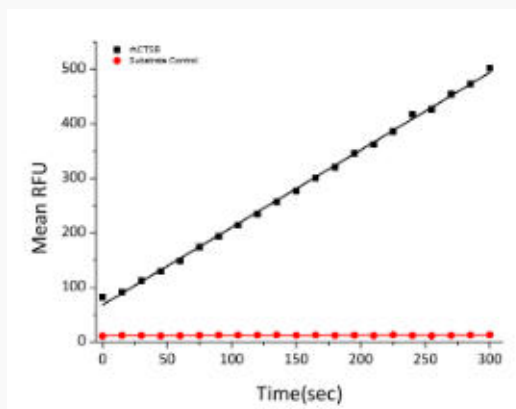
Gene Name	CTSB cathepsin B [Homo sapiens]
Official Symbol	CTSB
Synonyms	CTSB; cathepsin B; cathepsin B1; APP secretase; cysteine protease; amyloid precursor protein secretase; APPS; CPSB;
Gene ID	1508
mRNA Refseq	NM_001908
Protein Refseq	NP_001899
MIM	116810
UniProt ID	P07858

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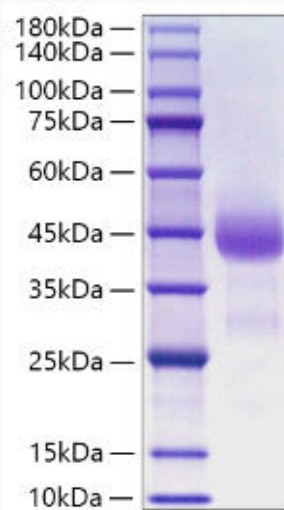
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Activity



SDS-PAGE



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