

Recombinant Rat Cstb protein, His-tagged

Cat. No. Cstb-1661R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cstb aa. (Met2~Phe98 (Accession # P01041)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met2~Phe98
Description	Inhibits the activity of cathepsins B, H, L, and S; may protect against apoptosis that occurs in response to seizures.
Form	Freeze-dried powder
Molecular Mass	12kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less

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

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than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.5

GENE INFORMATION

Gene Name	Cstb cystatin B [Rattus norvegicus (Norway rat)]
Official Symbol	Cstb
Synonyms	Cstb; cystatin B; Cyb; Epm1; Stfb; cystatin-B; cystatin B (stefin B); cystatin beta; liver thiol proteinase inhibitor; stefin-B
Gene ID	25308
mRNA Refseq	NM_012838.2
Protein Refseq	NP_036970.1
UniProt ID	P01041

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