

Active Recombinant Human CSTB protein, His-tagged

Cat. No. CSTB-204H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSTB protein(P04080)(Met2-Phe98), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met2-Phe98
Form	Lyophilized from sterile 50mM Tris, 50mM NaCl, pH 8.0Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC. The IC50 value is < 15 nM.
Molecular Mass	The recombinant human CSTB consisting of 108 amino acids and has a calculated molecular mass of 12.5 kDa. It migrates as an approximately 15 kDa band in SDS-PAGE under reducing conditions.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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 CSTB cystatin B (stefin B) [Homo sapiens]

Official Symbol CSTB

Synonyms CSTB; cystatin B (stefin B); EPM1, STFB; cystatin-B; CST6; PME; CPI-B; liver thiol proteinase inhibitor; ULD; EPM1; STFB; EPM1A;

Gene ID 1476

mRNA Refseq NM_000100

Protein Refseq NP_000091

MIM 601145

UniProt ID P04080

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