

AR03002PU-S**Human Cystatin-B - Purified**

Alternate names:	CPI-B, CST6, CSTB, Liver thiol proteinase inhibitor, STFB, Stefin-B
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	CSTB, also known as Cystatin B is an anti-protease implicated in myoclonus epilepsy, a degenerative disease of the central nervous system. The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. This protein is able to form a dimer stabilized by noncovalent forces and is thought to play a role in protecting against the proteases leaking from lysosomes. In cells, CSTB is located in the lysosomes and the cytoplasm, but also in the nucleus.
Uniprot ID:	P04080
NCBI:	NP_000091.1
GeneID:	1476
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein by using conventional chromatography Purity: >98% by SDS PAGE Buffer System: 20mM Tris pH 8.0, 50mM NaCl Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)
Description:	Recombinant Human CSTB, fused to His-tag, was expressed in <i>E.coli</i> . AA Sequence: MGSSHHHHHHH SSGLVPRGSH MMCGAPSATQ PATAETQHIA DQVRSQLEEK ENKKFPVFKA VSFKSQVVAG TNYFIKVHVG DEDFVHLRVF QSLPHENKPL TLSNYQTNKA KHDELTYF Molecular weight: 13 kDa 13 kDa (118 aa), confirmed by MALDI-TOF
Add. Information:	NCBI Accession No.: NP_000091
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Turk V, et al (1991) FEBS Lett. 285 (2): 213-9. 2. Jarvinen M, et al, (1988) Acta Histochem. 82 (1): 5-18.

Pictures:

15% SDS-PAGE (3 μ g)

