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CSTB, human recombinant

Cystatin-B, Stefin B, PME, CST6
Catalog # PBV11479r

Specification

CSTB, human recombinant - Product info

Primary Accession	NP_000091
Concentration	1 mg/ml
Calculated MW	This protein is fused with a 6× His tag at N-terminus and has a calculated MW of 13 kDa. KDa

CSTB, human recombinant - Additional Info

Other Names
Cystatin-B, Stefin B, PME, CST6

Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE;>95%
Assay2&Purity2	N/A;>95%
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MMCGAPSATQ PATAETQHIA DQVRSQLEEK ENKKFPVFKA VSFKSQVVAG TNYFIKVHVG DEDFVHLRVF QSLPHENKPL TLSNYQTNKA KHDELTYF

Target/Specificity
CSTB

Application Notes
In 20 mM Tris-HCl buffer (pH8.0) containing 50mM NaCl.

Format
Liquid

Storage
-20°C;Liquid

CSTB, human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

- Flow Cytomety
- Cell Culture

CSTB, human recombinant - Images

CSTB, human recombinant - 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.