

CSTB, human recombinant

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

Specification

CSTB, human recombinant - Product info

Primary Accession Concentration Calculated MW NP_000091
1 mg/ml

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

Sequence MGSSHHHHHH SSGLVPRGSH MMCGAPSATO

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.