## antibodies - online.com





## **CSTB Protein (Myc-DYKDDDDK Tag)**



Image



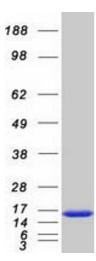
_					
U	V	er	VI	е	W

Overview	
Quantity:	20 μg
Target:	CSTB
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSTB protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	<ul> <li>Recombinant human Cystatin-B protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	CSTB
Alternative Name:	Cystatin-B (CSTB Products)
Background:	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. There are three inhibitory families in the superfamily,
	including the type 1 cystatins (stefins), type 2 cystatins and kininogens. This gene encodes a
	stefin that functions as an intracellular thiol protease inhibitor. The protein is able to form a

Target Details	
	dimer stabilized by noncovalent forces, inhibiting papain and cathepsins I, h and b. The protein is thought to play a role in protecting against the proteases leaking from lysosomes. Evidence indicates that mutations in this gene are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1). One type of mutation responsible for EPM1 is the expansion in the promoter region of this gene of a CCCCGCCCCGCG repeat from 2-3 copies to 30-78 copies.
Molecular Weight:	11 kDa
NCBI Accession:	NP_000091
Pathways:	Response to Water Deprivation
Application Details	
Application Notes:	Recombinant human proteins can be used for:  Native antigens for optimized antibody production  Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

## Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



## **Western Blotting**

Image 1. Validation with Western Blot