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# CSTB Protein (AA 1-98, full length) (GST tag)





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Overview		
Quantity:	100 μg	
Target:	CSTB	
Protein Characteristics:	AA 1-98, full length	
Origin:	Human	
Source:	Escherichia coli (E. coli)	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This CSTB protein is labelled with GST tag.	
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA	
Product Details		
Sequence:	MMCGAPSATQ PATAETQHIA DQVRSQLEEK ENKKFPVFKA VSFKSQVVAG TNYFIKVHVG	
	DEDFVHLRVF QSLPHENKPL TLSNYQTNKA KHDELTYF	
Purity:	95 %	
Target Details		
Target:	CSTB	
Alternative Name:	Cystatin-B (CSTB Products)	
Background:	Background: This is an intracellular thiol proteinase inhibitor. Tightly binding reversible inhibitor	
	of cathepsins L, H and B. Defects in CSTB are the cause of progressive myoclonic epilepsy type	

1 (EPM1) [MIM:254800]. EPM1 is an autosomal recessive disorder characterized by severe,

stimulus-sensitive myoclonus and tonic-clonic seizures. The onset, occurring between 6 and 13

### **Target Details**

years of age, is characterized by convulsions. Myoclonus begins 1 to 5 years later. The twitchings occur predominantly in the proximal muscles of the extremities and are bilaterally symmetrical, although asynchronous. At first small, they become late in the clinical course so violent that the victim is thrown to the floor. Mental deterioration and eventually dementia develop. Synonyms: CPI-B Liver thiol proteinase inhibitor Stefin-B.

Molecular Weight:	38.5 kD
NCBI Accession:	NM_000100
UniProt:	P04080
Pathways:	Response to Water Deprivation

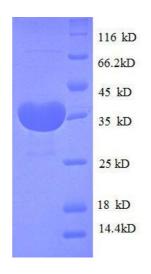
# **Application Details**

Restrictions: For Research Use only

# Handling

Format:	Lyophilized
Buffer:	PBS buffer, 20mM GSH.
Storage:	4 °C

#### **Images**



#### **SDS-PAGE**

Image 1.