

Datasheet for ABIN2566495

CST4 Protein (His tag)



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Overview

Quantity:	0.1 mg
Target:	CST4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CST4 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Characteristics:	Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC ₅₀ value is <1. 0 µM.
Purity:	>95 % as determined by SDS-PAGE.

Target Details

Target:	CST4
Alternative Name:	Cystatin S (CST4 Products)
Background:	Cystatin-4 (CST4) is also known as Cystatin-S, Salivary acidic protein 1, which is a secreted protein, which belongs to the cystatin family. Cystatin-S is expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level) and is also expressed in saliva, tears, urine and seminal fluid. Cystatin-4 / Cystatin S strongly inhibits papain and ficin, partially

Target Details

	inhibits stem bromelain and bovine cathepsin C, but does not inhibit porcine cathepsin B or clostripain. Papain is inhibited non-competitively.
Molecular Weight:	15 kDa
Gene ID:	1472
UniProt:	P01036

Application Details

Application Notes:	This recombinant protein can be used for WB. For research use only.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	25 mM MES, 150 mM NaCl, pH 6.0
Storage:	-80 °C,-20 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.