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## Datasheet for ABIN2566493 CST5 Protein (His tag)

### Overview

Quantity:	0.05 mg
Target:	CST5
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CST5 protein is labelled with His tag.
Application:	Western Blotting (WB)

### Product Details

Characteristics:	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC. The IC50 value is <15 nM.
Purity:	>95 % as determined by SDS-PAGE.

### Target Details

Target:	CST5
Alternative Name:	Cystatin D ( <a href="#">CST5 Products</a> )
Background:	Cystatin-5 (CST5) is also known as Cystatin-D, is a secreted thermostable protein, which belongs to the cystatin family. CST5 is a cysteine proteinase inhibitor that possibly plays a protective role against proteinases present in the oral cavity. The order of preference for inhibition is cathepsin S > cathepsin H > cathepsin L > cathepsin B. CST5 / cystatin-D may play

## Target Details

a protective role against proteinases present in the oral cavity.

Molecular Weight: 14.7 kDa

Gene ID: 1473

UniProt: [P28325](#)

## 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.