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Datasheet for ABIN7519910 CST3 Protein (His tag)

Overview

Quantity:	10 µg
Target:	CST3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CST3 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human Cystatin-C/CST3 Protein
Sequence:	MAGPLRAPLL LLAILAVALA VSPAAGSSPG KPRLVGGPM DASVEEEGVR RALDFAVGEY NKASNDMYHS RALQVVRARK QIVAGVNYFL DVELGRTTCT KTQPNLDNCP FHDQPHLKRK AFCSFQIYAV PWQGTMTLSK STCQDA
Specificity:	Met1-Ala146
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC. The IC50 value is <11 nM.

Target Details

Target:	CST3
Alternative Name:	Cystatin-C/CST3 (CST3 Products)
Background:	<p>Description: 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 the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions.</p> <p>Name: ARMD11, HEL-S-2,CST3,HEL-S-2</p>
Gene ID:	1471
UniProt:	P01034

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>