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Datasheet for ABIN7519909 CST3 Protein (His tag)

Overview

Quantity:	20 µg
Target:	CST3
Origin:	Rat
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 Rat Cystatin-C/CST3 Protein
Sequence:	GTSRPPPRLL GAPQEADASE EGVQRALDFA VSEYNKGSND AYHSRAIQVV RARKQLVAGI NYYLDVEMGR TTCTKSQTNL TNCPFHDQPH LMRKALCSFQ IYSVPWKGTH TLTKSSCKNA
Specificity:	Gly 21-Ala140
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg
Biological Activity Comment:	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC . The IC50 value is <3.4 nM, under the described conditions.

Target Details

Target:	CST3
Alternative Name:	Cystatin-C/CST3 (CST3 Products)
Background:	<p>Description: Cystatin C, also known as Cystatin-3 (CST3) is a secreted type 2 cysteine protease inhibitor synthesized in all nucleated cells, has been proposed as a replacement for serum creatinine for the assessment of renal function, particularly to detect small reductions in glomerular filtration rate.</p> <p>Name: CYSC,Cystatin-C,CST3</p>
Gene ID:	25307
UniProt:	P14841

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 20 mM HEPES and 150 mM NaCl, pH 7.0
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.