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Datasheet for ABIN7534882
CST2 Protein (His tag)

Overview

Quantity:	100 µg
Target:	CST2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CST2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human Cystatin-SA/CST2 Protein
Sequence:	WSPQEEDRII EGGIYDADLN DERVQRALHF VISEYNKATE DEYYRLLRV LRAREQIVGG VNYFFDIEVG RTICTKSQPN LDTCAFHEQP ELQKKQLCSF QIYVWPWEDR MSLVNSRCQE A
Specificity:	Trp21-Ala141
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 active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC50 value is < 2.5 nM.

Target Details

Target:	CST2
Alternative Name:	Cystatin-SA/CST2 (CST2 Products)
Background:	CST2
Gene ID:	1470
UniProt:	P09228

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 50 mM Tris, 150 mM NaCl, pH 8.0.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.