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Datasheet for ABIN1096503

CST1 Protein (AA 21-141) (His tag)

Overview

Quantity:	50 µg
Target:	CST1
Protein Characteristics:	AA 21-141
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cystatin SN/CST1 (C-6His)
Sequence:	WSPKEEDRII PGGIYNADLN DEWVQRALHF AISEYNKATK DDYYRRPLRV LRARQQTVGG VNYFFDVEVG RTICTKSQPN LDTCAFHEQP ELQKKQLCSF EIYVWPWENR RSLVKSRCQE SVDHHHHHH
Characteristics:	Recombinant Human Cystatin SN/CST1 (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CST1
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Target Details

Alternative Name:	Cystatin SN (CST1 Products)
Background:	<p>Recombinant Human Cystatin SN is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Trp21-Ser141) of Human CST1 fused with a polyhistidine tag at the C-terminus.</p> <p>Cystatin-SN is a member of family 2 of the Cystatin superfamily and a cysteine proteinase inhibitor found in saliva, tears, urine, and seminal fluid. Together with Cystatins S and SA, it is produced by the salivary gland and secreted largely in the submandibular/sublingual saliva. Cystatin-SN inhibits members of the Papain family including Cathepsins B, C, H and L.</p>
Molecular Weight:	15.35 kDa
UniProt:	P01037

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM MES, 150 mM NaCl, pH 5.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>