antibodies -online.com





Datasheet for ABIN1096488

CST5 Protein (AA 21-142) (His tag)



Overview

Quantity:	50 μg
Target:	CST5
Protein Characteristics:	AA 21-142
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cystatin D/CSTD/CST5 (C-6His)
Sequence:	GSASAQSRTL AGGIHATDLN DKSVQCALDF AISEYNKVIN KDEYYSRPLQ VMAAYQQIVG GVNYYFNVKF GRTTCTKSQP NLDNCPFNDQ PKLKEEEFCS FQINEVPWED KISILNYKCR KVVDHHHHHH
Characteristics:	Recombinant Human Cystatin D is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (G21-V142) of Human Cystatin D fused with a polyhistidine tag at the C-terminus.
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:	CST5
Alternative Name:	cystatin-d (CST5 Products)
Sub Type:	Fusionprotein
Background:	Cystatin-D is a protein that in humans is encoded by the CST5 gene. 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. The cystatin
	locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes.
	This gene is located in the cystatin locus and encodes a protein found in saliva and tears. The
	encoded protein may play a protective role against proteinases present in the oral cavity.
	Alternative Names: Cystatin-D, Cystatin-5, CST5
Molecular Weight:	14.9 kDa
UniProt:	P28325
om rot.	
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 μg/mL.
	Dissolve the lyophilized protein in ddH20.
	Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
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:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks
	Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
	Aliquots of reconstituted samples are stable at < -20°C for 3 months.