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Datasheet for ABIN1096485

CSTA Protein (AA 2-98) (His tag)

Overview

Quantity:	50 µg
Target:	CSTA
Protein Characteristics:	AA 2-98
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSTA protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cystatin A (N-6His)
Sequence:	MHHHHHHIPG GLSEAKPATP EIQEIVDKVK PQLEEKTNET YGKLEAVQYK TQVVAGTNYY IKVRAGDNKY MHLKVFKSLP GQNEDLVLTG YQVDKNKDDE LTGF
Characteristics:	Recombinant Human Cystatin A is produced with our E. coli expression system. The target protein is expressed with sequence (Ile2-Phe98) of Human Cystatin A.
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:	CSTA
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Target Details

Alternative Name:	cystatin-a (CSTA Products)
Background:	<p>Human Cystatin A (CSTA) is a member of family 1 of the cystatin superfamily, which is characterized by lacking of disulphide bonds and carbohydrates. Cystatin A is an intracellular inhibitor regulating the activities of cysteine proteases of the papain family such as Cathepsins B, H and L. Cystatin A is also implicated in a number of disease states. Due to altered proteolytic state in cancer progression, Cystatin A may play a role in the proteolytic pathways.</p> <p>Alternative Names: Cystatin-A, Cystatin-AS, Stefin-A, CSTA, STF1, STFA</p>
Molecular Weight:	11.8 kDa
UniProt:	P01040
Pathways:	Response to Water Deprivation

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 TrisHCl, 100 mM NaCl, pH 8.0.
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>
Expiry Date:	3 months