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Datasheet for ABIN7318371 CSTA Protein (His tag)

Overview

Quantity:	50 µg
Target:	CSTA
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/CSTA Protein (His Tag)
Sequence:	Ile2-Phe98
Characteristics:	Recombinant Human Cystatin A is produced by our E.coli expression system and the target gene encoding Ile2-Phe98 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CSTA
Alternative Name:	Cystatin A/CSTA (CSTA Products)
Background:	Background: 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

Target Details

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.

Synonym: Cystatin-A, Cystatin-AS, Stefin-A, CSTA, STF1, STFA

Molecular Weight: 11.8 kDa

UniProt: [P01040](#)

Pathways: [Response to Water Deprivation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, pH 8.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.