

## Product datasheet for **AR09923PU-N**

### Cystatin-A (1-98, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Cystatin-A (1-98, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSH HHHHHH SSGLVPRGSH</u> MIPGGLSEAK PATPEIQEIV DKVKPQLEEK TNETYGKLEA VQYKTQVWAG TNYIYKVRAG DNKYMHLKVF KSLPGQNEDL VLTGYQVDKN KDELDTGF
Tag:	His-tag
Predicted MW:	13.1 kDa
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CSTA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_005204</a></u>
Locus ID:	1475
UniProt ID:	<u><a href="#">P01040</a></u>
Cytogenetics:	3q21.1
Synonyms:	AREI; PSS4; STF1; STFA



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**Summary:**

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 kininogens. This gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer. [provided by RefSeq, Jul 2008]

**Product images:**

15% SDS-PAGE (3ug)