

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# 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>MGSSHHHHHH SSGLVPRGSH</u> MIPGGLSEAK PATPEIQEIV DKVKPQLEEK TNETYGKLEA VQYKTQVVAG TNYYIKVRAG DNKYMHLKVF KSLPGQNEDL VLTGYQVDKN KDDELTGF
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>NP 005204</u>
Locus ID:	1475
UniProt ID:	<u>P01040</u>
Cytogenetics:	3q21.1
Synonyms:	AREI; PSS4; STF1; STFA

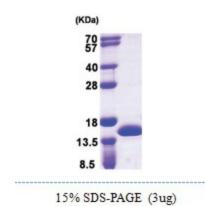


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

### **GRIGENE** Cystatin-A (1-98, His-tag) Human Protein – AR09923PU-N

Summary:The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences.<br/>Some of the members are active cysteine protease inhibitors, while others have lost or<br/>perhaps never acquired this inhibitory activity. There are three inhibitory families in the<br/>superfamily, including the type 1 cystatins (stefins), type 2 cystatins, and kininogens. This<br/>gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes<br/>with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of<br/>cornified cell envelope in keratinocytes and plays a role in epidermal development and<br/>maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer.<br/>[provided by RefSeq, Jul 2008]

#### **Product images:**



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US