

Product datasheet for **AR50941PU-N**

Cystatin-11 (26-103, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Cystatin-11 (26-103, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSARKKFTL SVHEVMAVEN YAKDSLQWIT DQYNKESDDK YHFRIFRVLK VQRQVNCFF SVFAVPWFEQ YKILNKSCSS D
Tag:	His-tag
Predicted MW:	11.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_543020
Locus ID:	140880
UniProt ID:	Q9H112
Cytogenetics:	20p11.21
Synonyms:	CST11, CST8L



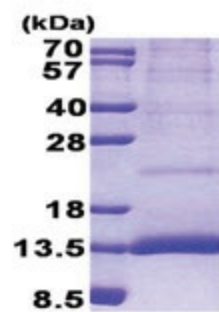
[View online »](#)

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 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 an epididymal-specific protein shown to have antimicrobial activity against *E. coli*. Alternative splicing yields two variants encoding distinct isoforms. [provided by RefSeq, Sep 2014]

Protein Families:

Transmembrane

Product images:

15% SDS-PAGE (3ug)