

Product datasheet for **AR52018PU-N**

Cystatin-M (29-149, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Cystatin-M (29-149, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MRPQERMVGE LRDLSRDDPQ VQKAAQAAVA SYNMGNSNIY YFRDTHIIKA QSQLVAGIKY FLTMEGSTD CRKTRVTGDH VDLTTCPLAA GAQQEKLKRCDFEVLVWPWQN SSQLLKHNVCV QM
Tag:	His-tag
Predicted MW:	15.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1M NaCl
Bioactivity:	The IC50 value is < 20nM. The inhibitory function of Cystatin 6 on protease activity of papain was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25C.
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human CST6 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 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_001314
Locus ID:	1474
UniProt ID:	Q15828
Cytogenetics:	11q13.1
Synonyms:	ECTD15



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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 the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions. This gene encodes a cystatin from the type 2 family, which is down-regulated in metastatic breast tumor cells as compared to primary tumor cells. Loss of expression is likely associated with the progression of a primary tumor to a metastatic phenotype. [provided by RefSeq, Jul 2008]

Protein Families:

Secreted Protein

Product images: