

AR50081PU-N**Human Cystatin 9 (29-159, His-tag) - Purified**

Alternate names:	CLM, CST9, Cystatin-like molecule
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	Cystatin 9, also known as CST9, is a member of the CRES (cystatin-related epididymal spermatogenic) subfamily. The CRES (cystatin-related epididymal spermatogenic) protein defines a newsubgroup in the family 2 cystatins of the cystatin superfamily. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. CST9 is expressed in heart, placenta, lung, liver, skeletal muscle and pancreas. CST9 is thought to play a role in hematopoietic differentiation or inflammation. It has also been shown to be upregulated by LPS in some cancer cell lines, such as promyelocytic leukemia (HL-60) and myelomonocytic leukemia.
Uniprot ID:	Q5W186
NCBI:	NP_001008693
GenelD:	128822
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Description:	Recombinant human CST9 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHHH SGLVPRGSH MWCSEEEMGG NNKIVQDPMF LATVEFALNT FNVQSKEEHA YRLLRVLSSW REDSMDRKWR GKMVFSMNLQ LRQTVCRKFE DDIDNCPFQE SLELNNVRQG ISFPQVHSCG CCMGCGVGTG AADKAIPRDK GK Molecular weight: 17.2 kDa (152aa)
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. Shelf life: one year from despatch.
General Readings:	Sun H., et al. (2003) Biochem Biophys Res Commun. 301:176-182. Von Horsten H H., et al. (2007) J Biol Chem. 282:32912-32923.

Pictures:

