

AR50355PU-S**Human Cystatin-S (21-141, His-tag) - Purified**

Alternate names:	CST4, Cystatin-4, Cystatin-SA-III, Salivary acidic protein 1
Quantity:	0.1 mg
Concentration:	1mg/ml (determined by Bradford assay)
Background:	CST4 (Cystatin-S) belongs to the cystatin family. 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. This protein strongly inhibits papain and ficin, partially inhibits stem bromelain and bovine cathepsin C, but does not inhibit porcine cathepsin B or clostripain. Papain is inhibited non-competitively.
Uniprot ID:	P01036
NCBI:	NP_001890
GeneID:	1472
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 50mM NaCl
Description:	Recombinant human CST4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MGSMSSSKEE NRIIPGGIYD ADLNDEWVQR ALHFAISEYN KATEDEYYRR PLQVLRAREQ TFGGVNYFFD VEVGRTICTK SQPNLDTCAF HEQPQLQKKQ LCSFEIYEVV WEDRMSLVNS RCQEA Molecular weight: 16.8 kDa (145aa), confirmed by MALDI-TOF
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:	Saitoh E, et al. (1992) Biomed Biochim Acta 50 (4-6): 599-605. Ryan C.M., et al. (2010) J. Am. Soc. Mass Spectrom. 21:908-917

Pictures:

