

## Recombinant Human Cystatin E/M, His-tagged

**Cat. No.** CST6-4988H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CST6 protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	CST6 is a member of the type 2 cystatin family. Some of the members are active cysteine protease inhibitors, while cystatin E/M moderate the inhibition of cathepsin B but is not active against cathepsin C. CST6 is a secretable protein that influences osteogenesis and bone resorption, regulation of the insulin and hepatocyte growth factor receptors, and the response to systemic inflammation.
<b>Concentration</b>	0.5 mg/ml
<b>Form</b>	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol, 1mM DTT and 0.1M NaCl.
<b>Purity</b>	> 95 % by SDS - PAGE
<b>Sequence</b>	29-149 amino acids: MGSSHHHHHH SSGLVPRGSH MRPQERMVGE LRDLSPDDPQ VQKAAQAAVA SYNMGNSIY YFRDTHIIKA QSQLVAGIKY FLTMEMGSTD CRKTRVTGDH VDLTTCPLAA GAQQEKLRCDFEVLVVPWQN SSQLLKHNCV QM

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<b>Molecular Mass</b>	15.9 kDa
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	CST6 cystatin E/M [ Homo sapiens ]
<b>Official Symbol</b>	CST6
<b>Synonyms</b>	CST6; Cystatin E/M; cystatin-M; cystatin 6; cystatin M; cystatin-6; cystatin-E; cysteine proteinase inhibitor
<b>Gene ID</b>	1474
<b>mRNA Refseq</b>	NM_001323
<b>Protein Refseq</b>	NP_001314
<b>MIM</b>	601891
<b>UniProt ID</b>	Q15828
<b>Chromosome Location</b>	11q13
<b>Function</b>	cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity

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