

Recombinant Human Cystatin E/M, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human CST6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	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.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol, 1mM DTT and 0.1M NaCl.
Purity	> 95 % by SDS - PAGE
Sequence	29-149 amino acids: MGSSHHHHHH SSGLVPRGSH MRPQERMVGE LRDLSPDDPQ VQKAAQAAVA SYNMGNSIY YFRDTHIIKA QSQLVAGIKY FLTMEMGSTD CRKTRVTGDH VDLTTCPLAA GAQQEKLRCDFEVLVVPWQN SSQLLKHNCV QM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	15.9 kDa
Applications	SDS-PAGE
Storage	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

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

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