

Recombinant Human CST4, His-tagged

Cat. No. CST4-6768H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CST4(27 - 146 aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	27-146 a.a.
Description	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.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 1mM DTT, 50mM NaCl
Molecular Mass	16.8kDa (145aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSSSKEE NRIIPGGIYD ADLNDEWVQR ALHFAISEYN KATEDEYYRR PLQVLRAREQ TFGGVNYFFDVEVGRTICK SQPNLDTCAF HEQPELQKKQ LCSFEIYEVW WEDRMSLVNS RCQEA
Purity	> 95% by SDS - PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	CST4 cystatin S [Homo sapiens]
Official Symbol	CST4
Synonyms	cystatin-S; cystatin 4; cystatin-4; cystatin-SA-III; salivary acidic protein 1
Gene ID	1472
mRNA Refseq	NM_001899
Protein Refseq	NP_001890
MIM	123857
UniProt ID	P01036
Chromosome Location	20p11.21
Pathway	Salivary secretion, organism-specific biosystem; Salivary secretion, conserved biosystem
Function	cysteine-type endopeptidase inhibitor activity

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