

Recombinant Human CST2 Protein, His-tagged

Cat. No. CST2-190H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CST2 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	141
Description	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. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes a secreted thiol protease inhibitor found at high levels in saliva, tears and seminal plasma.
Form	Lyophilized
Molecular Mass	15.2 kDa
AA Sequence	MAWPLCTLLLLLATQAVALLAWSPQEEDRIIEGGIYDADLNDERVQRALHFVISEYNKA TEDEYYRLLRVLRLAREQIVGGVNYFFDIEVGRTICTKSQPNLDTCAFHEQPELQKK

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	QLCSFQIYEV PWEDRMSLVNSRCQEA
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CST2 cystatin SA [Homo sapiens (human)]
Official Symbol	CST2
Synonyms	CST2; cystatin SA; cystatin-SA; cystatin 2; cystatin-2; cystatin S5; cystatin-S5; cysteine-proteinase inhibitor; salivary cysteine (thiol) protease inhibitor; MGC71924;
Gene ID	1470

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mRNA Refseq	NM_001322
Protein Refseq	NP_001313
MIM	123856
UniProt ID	P09228

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