

Recombinant Human CST2 protein, His-tagged

Cat. No. CST2-195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CST2 (Trp21-Ala141) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Trp21-Ala141
Description	Cystatin-2 (CST2) is also known as Cystatin-SA, Cystatin-S5, is a secreted thiol protease inhibitor, which belongs to the cystatin family. 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 CST1, CST2, CST4, and CST5 are expressed in differential, tissue-specific patterns. CST2 is expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level) and is also expressed in submandibular gland and parotid gland.
Predicted N Terminal	Trp21
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH8.0, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 15.2 kDa. The protein migrates as 15-16 kDa under reducing (R) condition (SDS-PAGE).

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CST2
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
mRNA Refseq	NM_001322
Protein Refseq	NP_001313
MIM	123856

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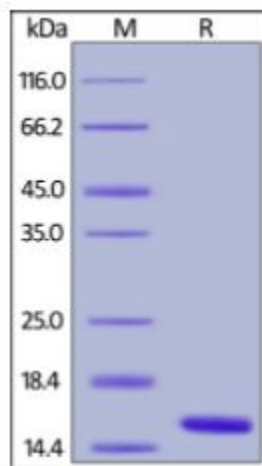
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UniProt ID

P09228

SDS-PAGE of CST2-
195H



Human Cystatin SA, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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