

Recombinant Human CST1 Protein, GST-tagged

Cat. No. CST1-2023H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CST1 full-length ORF (NP_001889.2, 1 a.a. - 141 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 cysteine proteinase inhibitor found in saliva, tears, urine, and seminal fluid. [provided by RefSeq, Jul 2008]
Molecular Mass	42.8 kDa
AA Sequence	MAQYLSTLLLLLATLAVALAWSPKEEDRIIPGGIYNADLNDEWVQRALHFAISEYNKA TKDDYYRRPLRVLRARQQTVGGVNYFFDVEVGRITCKTSQPNLDTCAFHEQPQLQK KQLCSFEIYVWPWENRRSLVKSRCQES
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

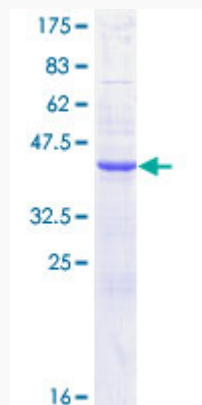
GENE INFORMATION

Gene Name	CST1 cystatin SN [Homo sapiens]
Official Symbol	CST1
Synonyms	CST1; cystatin SN; cystatin-SN; cystatin 1; cystatin-1; cystatin-SA-I; cystatin SA-I; salivary cystatin-SA-1; cysteine proteinase inhibitor, type 2 family;
Gene ID	1469
mRNA Refseq	NM_001898
Protein Refseq	NP_001889
MIM	123855
UniProt ID	P01037

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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