

Recombinant Full Length Human CST2 Protein, GST-tagged

Cat. No. CST2-2234HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CST2 full-length ORF (NP_001313.1, 1 a.a. - 141 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	141 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	42.8 kDa
AA Sequence	MAWPLCTLLLLLATQAVALLAWSPQEEDRIIEGGIYDADLNDERVQRALHFVISEYNKA TEDEYYRRLLRVLRAREQIVGGVNYFFDIEVGRTICTKSQPNLDTCAFHEQPQLQKK QLCSFQIYVWPWEDRMSLVNSRCQEA

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Applications	Enzyme-linked Immunoabsorbent Assay 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	CST2 cystatin SA [Homo sapiens]
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
UniProt ID	P09228

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