Recombinant Human CST4 Protein, GST-tagged

Cat. No. CST4-2027H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CST4 full-length ORF (NP_001890.1, 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. 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 type 2 salivary cysteine peptidase inhibitor. The protein is an S-type cystatin, based on its high level of expression in saliva, tears and seminal plasma. The specific role in these fluids is unclear but antibacterial and antiviral activity is present, consistent with a protective function. [provided by RefSeq, Jul 2008]
Molecular Mass	42.6 kDa
AA Sequence	MARPLCTLLLLMATLAGALASSSKEENRIIPGGIYDADLNDEWVQRALHFAISEYNKA TEDEYYRRPLQVLRAREQTFGGVNYFFDVEVGRTICTKSQPNLDTCAFHEQPELQK

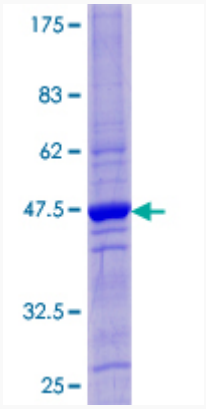
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	KQLCSFEIYEVPWEDRMSLVNSRCQEA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade.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

GENE INFORMATION

Gene Name	CST4 cystatin S [Homo sapiens]
Official Symbol	CST4
Synonyms	CST4; cystatin S; cystatin-S; cystatin 4; cystatin-4; cystatin-SA-III; salivary acidic protein 1; MGC71923;
Gene ID	1472
mRNA Refseq	NM_001899
Protein Refseq	NP_001890
MIM	123857
UniProt ID	P01036

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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