

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	MARPLCTLLLLMATLAGALASSSKEENRIIPGGIYDADLNDEWVQRALHFAISEYNKATEDEYYRRPLQVLRAREQTFGGVNYFFDVEVGRITCKTSQPNLDTCAFHEQPELQK

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KQLCSFEIYVPWEDRMSLVNSRCQEA

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

[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](#)

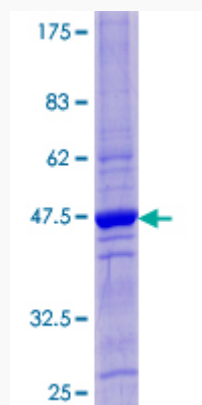
UniProt ID

[P01036](#)

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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