

Recombinant Full Length Human CST4 Protein

Cat. No. CST4-97HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Cystatin S with N terminal proprietary tag; Predicted MWt 41.58 kDa.
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. 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.
Form	Liquid
Molecular Mass	41.580kDa inclusive of tags

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AA Sequence	MARPLCTLLLLMATLAGALASSSKEENRIIPGGIYDADLN DEWVQRALHFAISEYNKA TEDEYYRRPLQVLRAREQTFGG VNYFFDVEVGRTICTKSQPNLDTCAFHEQPELQK KQLCSF EIYEV PWEDRMSLVNSRCQEA
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	CST4 cystatin S [Homo sapiens]
Official Symbol	CST4
Synonyms	CST4; cystatin S; cystatin-S
Gene ID	1472
mRNA Refseq	NM_001899
Protein Refseq	NP_001890
MIM	123857
UniProt ID	P01036

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