

# Recombinant Full Length Human CST5 Protein, GST-tagged

Cat. No. CST5-2238HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CST5 full-length ORF ( NP_001891.2, 1 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	142 amino acids
<b>Description</b>	<p>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 protein found in saliva and tears. The encoded protein may play a protective role against proteinases present in the oral cavity. [provided by RefSeq, Jul 2008]</p>
<b>Molecular Mass</b>	42.5 kDa
<b>AA Sequence</b>	MMWPMHTPLLLL TALMVAVAGSASAQSRTLGGI HATDLNDKSVQCALDFAISEYN KVINKDEYYSRPLQVMAAYQQIVGGVNYFFNVKFGRTTCTKSQPNLDNCPFNDQPK LKEEEFCFSQINEVPWEDKISILNYKCRKV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

## GENE INFORMATION

<b>Gene Name</b>	CST5 cystatin D [ Homo sapiens ]
<b>Official Symbol</b>	CST5
<b>Synonyms</b>	CST5; cystatin D; cystatin-D; cystatin 5; cystatin-5; cysteine-proteinase inhibitor; MGC71922
<b>Gene ID</b>	1473
<b>mRNA Refseq</b>	NM_001900
<b>Protein Refseq</b>	NP_001891
<b>MIM</b>	123858
<b>UniProt ID</b>	P28325

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