Recombinant Human CST5 Protein, GST-tagged

Cat. No. CST5-2028H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CST5 full-length ORF (NP_001891.2, 1 a.a. - 142 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 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]
Molecular Mass	42.5 kDa
AA Sequence	MMWPMHTPLLLLTALMVAVAGSASAQSRTLAGGIHATDLNDKSVQCALDFAISEYN KVINKDEYYSRPLQVMAAYQQIVGGVNYYFNVKFGRTTCTKSQPNLDNCPFNDQPK LKEEEFCSFQINEVPWEDKISILNYKCRKV
Applications	Enzyme-linked Immunoabsorbent Assay

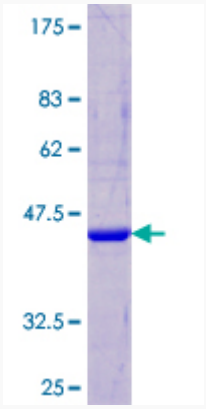
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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM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

GENE INFORMATION

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

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

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