Recombinant Human CST5 Protein, His-tagged

Cat. No. CST5-187H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CST5 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	142
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.
Form	Lyophilized
Molecular Mass	14.7 kDa
AA Sequence	MMWPMHTPLLLLTALMVAVAGSASAQSRTLAGGIHATDLNDKSVQCALDFAISEYN KVINKDEYYSRPLQVMAAYQQIVGGVNYYFNVKFGRTTCTKSQPNLDNCPFNDQPK

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	LKEEEFCSFQINEVPWEDKISILNYKCRKV
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	CST5 cystatin D [Homo sapiens (human)]
Official Symbol	CST5
Synonyms	CST5; cystatin D; cystatin-D; cystatin 5; cystatin-5; cysteine-proteinase inhibitor; MGC71922;
Gene ID	1473

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mRNA Refseq	NM_001900
Protein Refseq	NP_001891
MIM	123858
UniProt ID	P28325

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