

## Active Recombinant Human CST5, His-tagged

Cat. No. CST5-494H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CST5 (Accession # CAA49838) Thr29-Val142, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	29-142 a.a.
<b>Predicted N Terminal</b>	Thr29
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in MES and NaCl.
<b>Bio-activity</b>	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC .The IC50 value is <8 nM, under the described conditions.
<b>Molecular Mass</b>	Recombinant Human CST5, His-tagged has a calculated MW of 15 kDa. In SDS-PAGE migrates as 15 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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**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
<b>Chromosome Location</b>	20p11.21

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