

Active Recombinant Human CST5, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CST5 (Accession # CAA49838) Thr29-Val142, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	29-142 a.a.
Predicted N Terminal	Thr29
Form	Lyophilized from a 0.2 µ filtered solution in MES and NaCl.
Bio-activity	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.
Molecular Mass	Recombinant Human CST5, His-tagged has a calculated MW of 15 kDa. In SDS-PAGE migrates as 15 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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

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
Chromosome Location	20p11.21

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