

## Active Recombinant Human CST7 protein, hFc-tagged

Cat. No. CST7-679H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human CST7 protein(NP_003641.3) (Met 1-His 145) was expressed in HEK293 with the fused Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-145 aa
<b>Form</b>	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5.
<b>Bio-activity</b>	Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC50 value is <5 nM.
<b>Molecular Mass</b>	The recombinant human Cystatin-F/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 364 amino acids and predicts a molecular mass of 41.3 kDa. As a result of glycosylation, the rh Cystatin-F/Fc monomer migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 97 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** CST7 cystatin F (leukocystatin) [ Homo sapiens ]

**Official Symbol** CST7

**Synonyms** CST7; cystatin F (leukocystatin); cystatin-F; cystatin-7; leukocystatin; cystatin-like metastasis-associated protein; CMAP;

**Gene ID** 8530

**mRNA Refseq** NM\_003650

**Protein Refseq** NP\_003641

**MIM** 603253

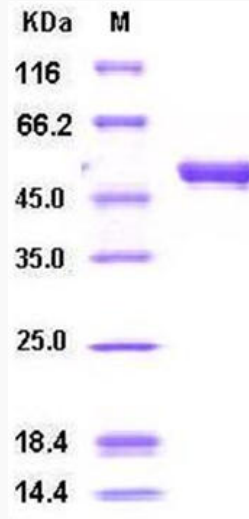
**UniProt ID** O76096

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**SDS-PAGE**



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