Active Recombinant Human CST7 protein, hFc-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	1-145 aa
Form	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5.
Bio-activity	Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC50 value is <5 nM.
Molecular Mass	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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	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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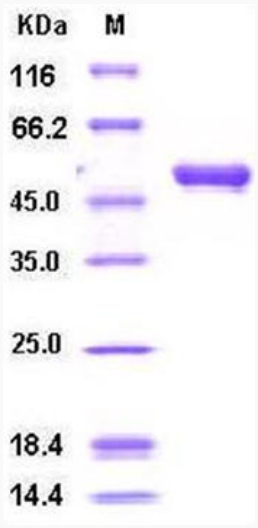
SDS-PAGE	

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