

Active Recombinant Human CST7 protein, His-tagged

Cat. No. CST7-3149H 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 a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
Protein Length	1-145 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC ₅₀ value is <6 nM.
Molecular Mass	Cystatin F exists as a disulfide-linked homodimer. The human cystatin F monomer consists of 137 amino acids and has a predicted molecular mass of 16.1 kDa. As a result of glycosylation, the recombinant Cystatin F migrates as an approximately 44 kDa band in SDS-PAGE under non-reduced conditions corresponding to the dimer.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % 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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