

Active Recombinant Human CST7 Protein, His-tagged

Cat. No. CST7-1047H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CST7 (Accession # O76096) Gly20-His145, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Gly20-His145
Predicted N Terminal	Gly20
Form	Lyophilized from a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC50 value is <6.0 nM, as measured under the described conditions.
Molecular Mass	Recombinant Human CST7, His-tagged has a calculated MW of 15 kDa. In SDS-PAGE migrates as 16 kDa, 21 kDa and 26 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** 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**Chromosome Location** 20p11.21 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA