

Recombinant Mouse Cst7 protein, His-tagged

Cat. No. Cst7-930M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cst7(Ala19-Gln144) fused with His tag at C-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Ala19-Gln144
Description	Mouse Cystatin F belongs to cystatin superfamily, which encompasses proteins that contain multiple cystatin-like sequences. It has been shown that Cystatin F is selectively expressed by hematopoietic cells and may be a biomarker for both liver metastasis and inflammatory lung disorders. Mouse Cystatin F inhibits papain and cathepsin L but with affinities lower than other cystatins. It may play a role in immune regulation through inhibition of a unique target in the hematopoietic system.
Form	Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.
AA Sequence	ARPPDFCSKDLISSVKPGFPKTIETNPNPGLKAARHSVEKFNNCTNDIFLFKESHVSK ALVQVVK GLKYMLEVKIGRTTCRKTMMHHQLDNCDFQTNPALKRRTLYCYSEVWVIPW LHSFEVPVLLCQVDHH HHHH
Endotoxin	Less than 0.1 ng/g (1 IEU/g) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at < -20 centigrade, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

Shipping The product is shipped on dry ice/ice packs.

GENE INFORMATION

Gene Name [Cst7 cystatin F \(leukocystatin\) \[Mus musculus \]](#)

Official Symbol [cst7](#)

Synonyms CST7; cystatin F (leukocystatin); cystatin-F; cystatin 7; cystatin-7; cystatin-like metastasis-associated protein; Cmap; MGC151424; MGC151426;

Gene ID [13011](#)

mRNA Refseq [NM_009977](#)

Protein Refseq [NP_034107](#)

UniProt ID [O89098](#)

Chromosome Location 2; 2 G1-G3

Function cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity;

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