

Active Recombinant Mouse Cst3 protein, His-tagged

Cat. No. Cst3-2205M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cst3 protein(NP_034106.2)(Met1-Ala140), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-140 a.a.
Form	Lyophilized from sterile 20mM HEPES, 150mM NaCl, pH 7.0Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC. The IC50 value is < 25 nM.
Molecular Mass	The secreted recombinant mouse CST3 consists of 131 amino acids and has a calculated molecular mass of 15 kDa. The recombinant protein migrates as three bands (15, 18 & 21-24 kDa) in SDS-PAGE under reducing conditions.
Proteinlength	Met1-Ala140
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-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	Cst3 cystatin C [<i>Mus musculus</i>]
Official Symbol	Cst3
Synonyms	CST3; cystatin C; cystatin-C; cystatin 3; cystatin-3; CysC;
Gene ID	13010
mRNA Refseq	NM_009976
Protein Refseq	NP_034106

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