

## Active Recombinant Mouse CST6 Protein, His-tagged

Cat. No. CST6-927M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant extracellular domain of mouse CST6 (NP_082899.1) (Met 1-Ala 152) was expressed, with a C-terminal polyhistidine tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-152 a.a.
<b>Predicted N Terminal</b>	Glu 29
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Bio-activity</b>	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate ZFR-AMC. The IC50 is < 20 nM.
<b>Molecular Mass</b>	The secreted recombinant mouse CST6 comprises 132 amino acids and has a calculated molecular mass of 15.2 kDa. As a result of glycosylation, the apparent molecular mass of rmCST6 is approximately 20 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>90 % as determined by SDS-PAGE.

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<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Cst6 cystatin E/M [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">CST6</a>
<b>Synonyms</b>	CST6; cystatin E/M; cystatin-M; cystatin M; harlequin ichthyosis; harlequin ichthyosis; ichq; N28197; 1110017E11Rik;
<b>Gene ID</b>	<a href="#">73720</a>
<b>mRNA Refseq</b>	<a href="#">NM_028623</a>
<b>Protein Refseq</b>	<a href="#">NP_082899</a>
<b>MIM</b>	
<b>UniProt ID</b>	

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