

Active Recombinant Mouse CST6 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant extracellular domain of mouse CST6 (NP_082899.1) (Met 1-Ala 152) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-152 a.a.
Predicted N Terminal	Glu 29
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate ZFR-AMC. The IC50 is < 20 nM.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	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.
Reconstitution	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

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

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