

## Recombinant Rat Cst3 Protein, His-tagged

**Cat. No.** Cst3-33R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant rat CST3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Species</b>	Rat
<b>Source</b>	Insect Cells
<b>Description</b>	CST3, also known as cystain-C, is secreted type 2 cysteine proteinase inhibitors of the cystatin superfamily. It is involved in processes such as tumor invasion and metastasis, inflammation and some neurological diseases. It inhibits many cysteine proteases such as papain and cathepsins B, H, K, L and S.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
<b>Molecular Mass</b>	14.3kDa (128aa)13.5-18KDa (SDS-PAGE under reducing conditions.)
<b>AA Sequence</b>	GTSRPPPRLL GAPQEADASE EGVQRALDFA VSEYNKGSND AYHSRAIQVV RARKQLVAGI NYYLDVEMGR TTCTKSQTNL TNCPFHDQPHLMRKALCSFQ IYSVPWKGTH TLTKSSCKNA LEHHHHHH
<b>Endotoxin</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Purity</b>	>95% by SDS - PAGE
<b>Storage</b>	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot

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and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5mg/ml (determined by Absorbance at 280nm)

## GENE INFORMATION

**Gene Name** *Cst3* cystatin C [ *Rattus norvegicus* ]

**Official Symbol** *Cst3*

**Synonyms** CST3; cystatin C; cystatin-C; cystatin 3; cystatin-3; CYSC; MGC105556;

**Gene ID** 25307

**mRNA Refseq** NM\_012837

**Protein Refseq** NP\_036969

**MIM**

**UniProt ID**

**Pathway** Salivary secretion, organism-specific biosystem; Salivary secretion, conserved biosystem;

**Function** beta-amyloid binding; beta-amyloid binding; cysteine-type endopeptidase inhibitor activity; cysteine-type endopeptidase inhibitor activity; endopeptidase inhibitor activity; peptidase inhibitor activity; protease binding; protease binding;

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