Recombinant Rat Cst3 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant rat CST3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Rat
Source	Insect Cells
Description	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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	14.3kDa (128aa)13.5-18KDa (SDS-PAGE under reducing conditions.)
AA Sequence	GTSRPPPRLL GAPQEADASE EGVQRALDFA VSEYNKGSND AYHSRAIQVV RARKQLVAGI NYYLDVEMGR TTCTKSQTNL TNCPFHDQPHLMRKALCSFQ IYSVPWKGTH TLTKSSCKNA LEHHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>95% by SDS - PAGE
Storage	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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