

Recombinant Mouse Cst3 Protein, His-tagged

Cat. No. Cst3-7182M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cst3 protein with a His tag was expressed in insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	21-140
Description	The protein encoded by this gene is a cysteine protease inhibitor involved in neurodegenerative and cardiovascular processes. The encoded protein inhibits aggregation of beta-amyloid protein, a hallmark of Alzheimer's disease, so it may be useful as a therapeutic. This protein also may be a biomarker for atherosclerosis.
Form	Liquid
Molecular Mass	14.2 kDa
AA Sequence	ATPKQGPRMLGAPEEADANEEGVRRALDFAVSEYNKGSNDAYHSRAIQVVRARKQ LVAGVNYFLDVEMGRITCTKSQTNLTDCPFHDQPHLMRKALCSFQIYSVPWKGTHS LTKFSCKNAHHHHHH
Endotoxin	< 1.0 EU/μg of protein (determined by LAL method)
Purity	> 95 % by SDS-PAGE

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Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

GENE INFORMATION

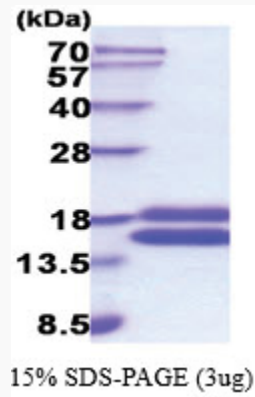
Gene Name	Cst3 cystatin C [Mus musculus (house mouse)]
Official Symbol	Cst3
Synonyms	Cst3; cystatin C; Cys; CysC; cystatin-C; cystatin-3
Gene ID	13010
mRNA Refseq	NM_009976
Protein Refseq	NP_034106
UniProt ID	P21460

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SDS-PAGE



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