

Cystatin C/CST3 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P72966
Synonyms:	Cystatin-C; Cystatin-3; Cst3
Species:	Mouse
Source:	HEK293
Accession:	P21460 (M1-A140)
Gene ID:	13010
Molecular Weight:	Approximately 15&18&21-24 kDa

PROPERTIES

AA Sequence	<p>M A S P L R S L L F L L A V L A V A W A A T P K Q G P R M L G A P E E A D A N E</p> <p>E G V R R A L D F A V S E Y N K G S N D A Y H S R A I Q V V R A R K Q L V A G V</p> <p>N Y F L D V E M G R T T C T K S Q T N L T D C P F H D Q P H L M R K A L C S F Q</p> <p>I Y S V P W K G T H S L T K F S C K N A</p>
Biological Activity	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC and the IC ₅₀ value is < 25 nM.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM HEPES, 150 mM NaCl, pH 7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Cystatin C (CST3), functioning as an inhibitor of cysteine proteinases, is believed to play a crucial physiological role as a local regulator of this enzyme activity. Its inhibitory function contributes to the regulation of cysteine proteinases, suggesting a role in modulating proteolytic processes within specific cellular environments.
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Caution: Product has not been fully validated for medical applications. For research use only.

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