

Cystatin B/CST8 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76851
Synonyms:	Cystatin-related epididymal spermatogenic protein; Cystatin-8; CRES
Species:	Human
Source:	HEK293
Accession:	O60676 (K22-A142)
Gene ID:	10047
Molecular Weight:	Approximately 43-55 kDa due to the glycosylation

PROPERTIES

AA Sequence	<div> <div>K D P K K N E T G V</div> <div>D K Y V F L V V K T</div> <div>N E I C A I Q E N S</div> <div>A</div> </div> <div> <div>L R K L K P V N A S</div> <div>L Q A Q L Q V T N L</div> <div>K L K R K L S C S F</div> </div> <div> <div>N A N V K Q C L W F</div> <div>L E Y L I D V E I A</div> <div>L V G A L P W N G E</div> </div> <div> <div>A M Q E Y N K E S E</div> <div>R S D C R K P L S T</div> <div>F T V M E K K C E D</div> </div>
Biological Activity	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC. The IC ₅₀ value is 4.188 nM, as measured under the described conditions.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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 B/CST8 Protein plays a specialized role during sperm development and maturation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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