

Cystatin-8/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	<p>K D P K K N E T G V L R K L K P V N A S N A N V K Q C L W F A M Q E Y N K E S E</p> <p>D K Y V F L V V K T L Q A Q L Q V T N L L E Y L I D V E I A R S D C R K P L S T</p> <p>N E I C A I Q E N S K L K R K L S C S F L V G A L P W N G E F T V M E K K C E D</p> <p>A</p>
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-8/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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