



Certificate of Analysis

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

Cat. No.:	HY-P76851
Batch No.:	358224
Species:	Human
Source:	HEK293
Tag:	C-hFc
Accession:	O60676 (K22-A142)
Gene ID:	10047
Molecular Weight:	Approximately 43-55 kDa due to the glycosylation

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥90.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
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.	4.188 nM
Appearance	Lyophilized powder	
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.	

Caution: Product has not been fully validated for medical applications. For research use only.

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