



Certificate of Analysis

Antithrombin III/Serpin C1 Protein, Human (432a.a, HEK293, His)

Cat. No.:	HY-P72831
Batch No.:	323923
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	P01008 (H33-K464)
Gene ID:	462
Molecular Weight:	55-60 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit thrombin cleavage of a fluorogenic peptide substrate Boc-VPR-AMC and the IC ₅₀ value is < 5 nM.	2.16 nM
Appearance	Lyophilized powder	
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.	

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

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