



# Certificate of Analysis

## Kallikrein-1 Protein, Human (240a.a, HEK293, His)

Cat. No.:	HY-P73262
Batch No.:	258060
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	P06870 (S23-S262)
Gene ID:	3816
Molecular Weight:	Approximately 50 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to cleave a fluorogenic peptide substrate Pro-Phe-Arg-7-amido-4-methylcoumarin (PFR-AMC) and the specific activity is >1,500 pmoles/min/μg. (Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)	2656 pmoles/min/μg
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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. 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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