



Certificate of Analysis

Kallikrein-11 Protein, Human (HEK293, His)

Cat. No.:	HY-P73263
Batch No.:	294189
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	Q9UBX7 (E19-N250)
Gene ID:	11012
Molecular Weight:	Approximately 40 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	95.20%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to cleave a colorimetric peptide substrate D-Val-Leu-Lys-ThioBenzyl ester (VLK-SBzl), in the presence of 5,5'Dithio-bis (2-nitrobenzoic acid) (DTNB) (Edwards, K.M. et al.,1999, J. Biol. Chem. 274: 30468) . The specific activity is >200 pmol/min/μg. (Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)	2653 pmol/min/μg
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. 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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