



Certificate of Analysis

Cathepsin B Protein, Human (HEK293, C-His)

Cat. No.:	HY-P7993A
Batch No.:	323771
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P07858 (R18-I339)
Gene ID:	1508
Molecular Weight:	Approximately 35-40 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% 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 cleave the fluorogenic peptide substrate Z-LR-AMC. Read at excitation and emission wavelengths of 380 nm and 460 nm. The specific activity is ≥7807.519 pmol/min/μg, as measured under the described conditions.	7807.519 pmol/min/μg
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in PBS, pH 7.4. 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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