



# Certificate of Analysis

## Cathepsin B Protein, Human (L26V, HEK293, His)

Cat. No.:	HY-P78682
Batch No.:	294178
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	P07858-1 (R18-I339, L26V)
Gene ID:	1508
Molecular Weight:	10-45 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	96.00%
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 ≥2500 pmol/min/μg, as measured under the described conditions.	PASS
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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. 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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