



# Certificate of Analysis

## Cathepsin D Protein, Mouse (HEK293, His)

Cat. No.:	HY-P7749
Batch No.:	269060
Species:	Mouse
Source:	HEK293
Tag:	C-6*His
Accession:	P18242 (I21-L410)
Gene ID:	13033
Molecular Weight:	Approximately 46 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.	<1 EU/μg
Biological Activity	Measured by its ability to cleave a peptide substrate, Mca-PLGL-Dpa-AR-NH <sub>2</sub> . Read at excitation and emission wavelengths of 320 nm and 405 nm (top read). The specific activity is 5026.88 pmol/min/μg, as measured under the described conditions.	5026.88 pmol/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. 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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