



Certificate of Analysis

Cathepsin A Protein, Human (HEK293, His)

Cat. No.:	HY-P7745A
Batch No.:	520901
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P10619-1 (A29-Y480)
Gene ID:	5476
Molecular Weight:	51-60 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 colorimetric peptide substrate of 20 μM Mca-RPPGFSAFK(Dnp)-OH HY-3749 that incubate at room temperature for 5 minutes. The specific activity is 3621.65 pmol/min/ug.	3621.65 pmol/min/ug
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA