



## Certificate of Analysis

## Carboxypeptidase A2/CPA2 Protein, Rat (HEK293, His)

Cat. No.:	HY-P75452
Batch No.:	400116
Species:	Rat
Source:	HEK293
Tag:	C-10*His
Accession:	G3V976 (M1-Y417)
Gene ID:	296959
Molecular Weight:	Approximately 45 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 200 μM colorimetric peptide substrate Ac-Phe-Thiaphe-OH, in the presence of 200 μM 5,5'-Dithio-bis (2-nitrobenzoic acid) (DTNB) that incubate at room temperature for 5 minutes. The specific activity is 4697.712 pmol/min/μg.	4697.712 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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