



Certificate of Analysis

Carboxypeptidase A1/CPA1 Protein, Mouse (HEK293, His)

Cat. No.: HY-P72868
Batch No.: 314550
Species: Mouse
Source: HEK293
Tag: C-His
Accession: Q7TPZ8 (N17-Y419)
Gene ID: 109697
Molecular Weight: Approximately 42-49 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 colorimetric peptide substrate Ac-Phe-Thiaphe-OH in the presence of 5,5'Dithio-bis (2-nitrobenzoic acid) (DTNB). The specific activity is 5420.437 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 ₂ O.	
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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