



Certificate of Analysis

Carbonic Anhydrase VIII/CA8 Protein, Mouse (His)

Cat. No.: HY-P76765
Batch No.: 340314
Species: Mouse
Source: *E. coli*
Tag: C-6*His
Accession: P28651 (M1-Q291)
Gene ID: 12319
Molecular Weight: Approximately 35 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	98.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to hydrolyze 4-nitrophenyl acetate to 4-nitrophenol per minute. The specific activity is 396.0323 pmol/min/mg.	396.0323 pmol/min/mg
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.

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