



Certificate of Analysis

Carbonic Anhydrase 1 Protein, Human (C-His)

Cat. No.: HY-P7718A
 Batch No.: 355019
 Species: Human
 Source: *E. coli*
 Tag: C-6*His
 Accession: P00915 (A2-F261)
 Gene ID: 759
 Molecular Weight: Approximately 29 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 esterase activity. The specific activity is 24.83 pmol/min/μg, as measured under the described conditions.	24.83 pmol/min/μg
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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