

Carbonic Anhydrase 1 Protein, Human (C-His)

Cat. No.:	HY-P7718A
Synonyms:	rHuCarbonic Anhydrase 1, His; Carbonic Anhydrase 1; Carbonate Dehydratase I; Carbonic Anhydrase B; CAB; Carbonic Anhydrase I; CA1
Species:	Human
Source:	E. coli
Accession:	P00915 (A2-F261)
Gene ID:	759
Molecular Weight:	Approximately 29 kDa

PROPERTIES

AA Sequence	<pre> A S P D W G Y D D K N G P E Q W S K L Y P I A N G N N Q S P V D I K T S E T K H D T S L K P I S V S Y N P A T A K E I I N V G H S F H V N F E D N D N R S V L K G G P F S D S Y R L F Q F H F H W G S T N E H G S E H T V D G V K Y S A E L H V A H W N S A K Y S S L A E A A S K A D G L A V I G V L M K V G E A N P K L Q K V L D A L Q A I K T K G K R A P F T N F D P S T L L P S S L D F W T Y P G S L T H P P L Y E S V T W I I C K E S I S V S S E Q L A Q F R S L L S N V E G D N A V P M Q H N N R P T Q P L K G R T V R A S F </pre>
Biological Activity	Measured by its esterase activity. The specific activity is 24.83 pmol/min/μg, as measured under the described conditions.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0, 20% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
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. 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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