

Carbonic Anhydrase 1 Protein, Human, Recombinant (Active, His)

General Information

Synonyms:	Carbonate dehydratase I;CA1;Carbonic anhydrase B (CAB);Carbonic anhydrase 1;Carbonic anhydrase I (CA-I);Cyanamide hydratase CA1
Protein Construction:	2-261 aa
Species:	Human
Expression Host:	E. coli
Accession:	P00915
Molecular Weight:	29.93 kDa (Predicted)
AA Sequence:	ASPDWGYDDKNGPEQWSKLYPIANGNNQSPVDIKTSEKHDTSKLPISVSYNPATAKEIINVGHFSFHVNFED NDNRSVLKGGPFSDSYRLFQHFHWGSTNEHGSEHTVDGVKYSaelhVAHWNSAKYSSLAEAAASKADGLA VIGVLMKVGEANPKLQKVLDALQAIKTKGKRAPFTNFDPSTLLPSSLDFTYPGSLTHPPLYESVTWIICKESIS VSSEQLAQFRSLLSNVEGDNAVPMQHNNRPTQPLKGRTVRSF

QC Testing

Biological Activity:	The esterase activity is determined to be greater than 500 pmol/min/ug
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	0.2 μm filtered 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, pH 8.0

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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