

Recombinant Human Carbonic Anhydrase 7/CA7 Protein(C-6His)

Cat.NO.: TP04740

3th Edition

Synonyms:Carbonic Anhydrase 7; Carbonate Dehydratase VII; Carbonic Anhydrase VII; CA-VII; CA7

Description:Carbonic Anhydrase 7 (CA7) is a member of the alpha-carbonic anhydrase family. Alpha-carbonic anhydrase is a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. Furthermore, Alpha-carbonic anhydrase is associated with many biological processes, including calcification, respiration, bone resorption, acid-base balance and the formation of aqueous humor. CA7 is activated by histamine, L-adrenaline, L- and D-histidine, and L- and D-phenylalanine, but it is inhibited coumarins, sulfonamide derivatives such as acetazolamide (AZA) by saccharin and Foscarnet.

Form:PBS

Molecular Weight:30.7 kDa

Sequences:Met 1-Ala264

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.