

Recombinant Human Carbonic Anhydrase VII / CA7 Protein (His tag)

Cat.NO.: TP06773

3th Edition

Synonyms:CAVII

Description:Carbonic anhydrase 7, also known as carbonate dehydratase VII, carbonic anhydrase VII, CA-VII and CA7, is a cytoplasm protein which belongs to the alpha-carbonic anhydrase family. Carbonic anhydrases are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. Carbonic anhydrases show extensive diversity in tissue distribution and in their subcellular localization. CA7 / CA-VII is predominantly expressed in the salivary glands. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms.

Form:PBS

Molecular Weight:31 kDa

Sequences:Met 1-Ala 264

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.