

**Recombinant Human Carbonic Anhydrase 13/CA13 Protein(C-6His)**

**Cat.NO.: TP04739**

3th Edition

**Synonyms:**Carbonic Anhydrase 13; Carbonate Dehydratase XIII; Carbonic Anhydrase XIII; CA-XIII; CA13

**Description:**Carbonic Anhydrase 13 (CA13) belongs to the carbonic anhydrase family which can catalyzes the reversible hydration recation of carbon dioxide. Carbonic anhydrases participate in many biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. CA13 is a cytosolic enzyme and is widely expressed in human, such as thymus, small intestine, spleen, prostate, ovary, colon and testis, indicating that it may play a key role in several organs. CA13 is inhibited by acetazolamide.

**Form:**PBS

**Molecular Weight:**30.5 kDa

**Sequences:**Met 1-His262

**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.