

Recombinant Human Carbonic Anhydrase 14/CA14 Protein(N-6His)

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3th Edition

Synonyms:Carbonic Anhydrase 14; Carbonate Dehydratase XIV; Carbonic Anhydrase XIV; CA-XIV; CA14; UNQ690/PRO1335

Description:Carbonic Anhydrase 14 (CA14) belongs to the Alpha-Carbonic Anhydrase family. It is highly expressed in all parts of the central nervous system and lowly expressed in adult liver, heart, small intestine, colon, kidney, urinary bladder, and skeletal muscle. CA14 along with other Carbonic Anhydrases (CAs) 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. CA14 is predicted to be a type I membrane protein and catalyzes the reversible hydration of carbon dioxide.

Form:PBS

Molecular Weight:32.8 kDa

Sequences:Gly19-Met290

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.