

32-7096: Recombinant Human Carbonic Anhydrase 7/CA7 (C-6His)

Gene : CA7
Gene ID : 766
Uniprot ID : P43166

Description

Source: E.coli.
MW :30.72kD.

Recombinant Human Carbonic Anhydrase 7 is produced by our E.coli expression system and the target gene encoding Met1-Ala264 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0 .
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MTGHHGWGYGQDDGPSHWHKLYPIAQGDRQSPINIISQAVYSPSLQPLELSYEACMSLSITNNGHHSVQVDFN
DSDDRTVVTGGPLEGPYRLKQFHFWGKKHDVGSEHTVDGKSFPSELHLVHWNACKYSTFGEAASAPDGLA
VVGVFLETGDEHPSMNRLTDALYMVRFKGTAKQFSCFNPKLLPASRHYWTYPGSLTTPPLESVTWIVLREPI
CISERQMGKFRSLLFTSEDDERIHMVNNFRPPQPLKGRVVKASFRALEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.
Biological Activity : Specific Activity is greater than 1133.92pmol/min/ug