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Carbonic anhydrase 1, 1-261aa, Human, His tag, E.coli

产品货号: TP01424

第三版

别名:CA1, CA-I, CAB

**描述:**Carbonic anhydrase 1(CA1) is a zinc metalloenzyme that catalyses reversible hydration of CO<sub>2</sub> (CO<sub>2</sub> + H<sub>2</sub>O → HCO<sub>3</sub><sup>-</sup> + H<sup>+</sup>). This protein is fundamental to many biological processes such as cellular respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid.

**配方:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

**分子量:**31.0 kDa (281aa)

**序列:**

MGSSHHHHHHSSGLVPRGSHMASPDWGYDDKNGPEQWSKLYPIANGNNQSPVDIKTSETKHDTSLKPISVSYNPATAKE  
IINVGHSFHVNFEDNDNRSVLKGGPFSDSYRLFQFHFHWGSTNEHGSEHTVDGVKYS AELHVAHWNSAKYSSLAE AASK  
ADGLAVIGVLMKVGEANPKLQKVL DALQAIKTKGKRAPFTNFD PSTLLPSSLD FWTYPGSLTHPPLYESVTWIICKESISVSS  
EQLAQFRSLLSNVEGDNAVPMQHNNRPTQPLKGRTVRASF

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.