

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

Carbonic Anhydrase, 1-220aa, E.coli, His-tagged, Recombinant, E.coli

产品货号: TP01427

第三版

别名: Carbonate dehydratase, CAN, yadF

描述: Carbonic anhydrase (CA) is an enzyme that catalyses rapid conversion of carbon dioxide to bicarbonate and protons ( $\text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{HCO}_3^- + \text{H}^+$ ). Most carbonic anhydrases contain a zinc ion in their active site and the primary function of this enzyme is known to maintain acid-base balance in blood and other tissues, and to help transport carbon dioxide of tissues.

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

分子量: 27kDa (240aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMKDIDTLISNNALWSKMLVEEDPGFFEKLAQAQKPRFLWIGCSDSRVPAERLTGLEPGEL  
FVHRNVANLVIHTDLNCLSVVQYAVDVLEVEHIIICGHYCGGVQAAVENPELGLINNWLLHIRDIWFKHSSLLGEMPQ  
ERRLDLCELNVMEQVYNLGHSTIMQSAWKRGQKVTIHGWAYGIHDGLLRDLVDVTATNRETLEQRYRHGISNLKCLKHA  
NHK

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.