

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。

CA11, 24-328aa, Human, His tag, E.coli

产品货号: TP01388

第三版

别名:Carbonic anhydrase-related protein 11, CARPX1

描述:Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They 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. They show extensive diversity in tissue distribution and in their subcellular localization. CA11 is likely a secreted protein, however, radical changes at active site residues completely conserved in CA isozymes with catalytic activity, make it unlikely that it has carbonic anhydrase activity. It shares properties in common with two other acatalytic CA isoforms, CA VIII and CA X. CA11 is most abundantly expressed in brain, and may play a general role in the central nervous system. Recombinant human CA11 protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

分子量:36.3kDa (326aa)

序列:

MGSSHHHHHHSSGLVPRGSHMHIGPAPDPEDWWSYKDNLQGNFVPGPPFWGLVNAAWSLCAVGKRQSPVDVELKRV
LYDPFLPPLRLSTGGKLRGTLTYNTGRHVSFLPAPRPVVNVSGGPLLYSHRLSELRLIFGARDGAGSEHQINHQGFSAEVQLI
HFNQELYGNFSAASRGPNGLAISLNFVNVASTSNPFLSRLNDRDTITRISYKNDAYFLQDLSLELLFPESFGFITYQGSLSTPPCS
ETVTWILIDRALNITSLQMHSRLLSQNPPSQIFQSLSGNSRPLQPLAHRALRGNRDPRHPERRCRGPNYRLHVDGVPHGR

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.