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Carbonic anhydrase 2, 1-260aa, Human, Recombinant, E.coli

产品货号: TP01425

第三版

别名:CA-II, CAC

描述:Carbonic anhydrase 2 (CA2) is one of fourteen forms of human carbonic anhydrases. Carbonic anhydrase catalyzes reversible hydration of carbon dioxide. CA2 is a cytosolic enzyme with the highest activity among all known CAs. Mutations in the CA2 gene result in the CA2 deficiency syndrome, an autosomal recessive disorder that produces osteopetrosis, renal tubular acidosis and cerebral calcification. Recombinant human CA2 was expressed in E.coli and purified by using conventional chromatography.

配方:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50mM NaCl, 10% glycerol

分子量:29.2 kDa (260aa), confirmed by MALDI-TOF

序列:

MSHHWGYGKHNGPEHWHKDFPIAKGERQSPVDIDTHTAKYDPSLKPLSVSYDQATSLRILNNGHAFNVEFDDSDQKAV
LKGGPLDGTYRLIQFHFHWGSLDGQGSEHTVDKKKYAAELHLVHWNTKYGDFGKAVQQPDGLAVLGIFLKVGSAPGL
QKVVDVLDSIKTKGKSADFTNFDPRGLLPESLDYWTYPGSLTTPPLECVTWIVLKEPISVSSEQVLKFRKLNFNNGEGEPEEL
MVDNWRPAQPLKNRQIKASFK

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.