

Recombinant Carbonic Anhydrase II (CA2)

Cat No. :KF-P1425

表达系统: E. coli

蛋白结构序列: Trp5~Ser258

蛋白编号: P00918

产品别称: CA-II, CAC

分子量: 29.2 kDa (260aa)

纯度: >95% as determined by SDS-PAGE.

内毒素: ≤10EU/mg as determined by LAL test.

标签: N-6His

冻干 Buffer: Phosphate buffered saline (pH7.4) containing 0.01% sarcosyl, 5%Trehalose

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

运输条件: 2-8℃

保存条件: Aliquot and store at -20℃ to -80℃ for up to 6 months, buffer containing 50% glycerol is recommen

生物活性: 待查。

功能: 催化二氧化碳的可逆水合反应 (PubMed:11327835, PubMed:1182772,

PubMed:11831900, PubMed:12056894, PubMed:1211926, PubMed:1336460, PubMed:14736236,

PubMed:1530055, PubMed:15453828, PubMed:15667203, PubMed:1586531, PubMed:16106378,

PubMed:16214338, PubMed:1629016, PubMed:16686544, PubMed:16759856, PubMed:1680796,

PubMed:17127057, PubMed:17251017, PubMed:1731404, PubMed:17330962, PubMed:17346964,

PubMed:1754056, PubMed:17588751, PubMed:17705204, PubMed:18024029 PubMed:18162396,

PubMed:18266323, PubMed:18374572 PubMed:18481843, PubMed:18618712,

PubMed:18640037, :18942852, PubMed:1909891, PubMed:1910042, PubMed:9170619,
PubMed:19186056, PubMed:19206230, PubMed:1520834, PubMed:19778001, PubMed:7761440,
PubMed:791850, PubMed:8218160, PubMed:8262987, PubMed:839915, PubMed:8451242,
PubMed:8485129, PubMed:8639494, PubMed9265618, PubMed:9398308)。也可以使氰化物水
合生成尿素(PubMed:0550681, PubMed:11015219)。刺激 SLC26A6 的氯化物-碳酸盐交换活
性(PubMed:15990874)。对于骨吸收和破骨细胞分化至关重要(PubMed:1530855)。参与
调节眼房水分泌。在质子耦合肽吸收过程中,有助于十二指肠上皮细胞的 pH 调节。

仅供科研或生产使用,不可直接应用于人体。