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Recombinant Mouse Carbonic Anhydrase IV / Car4 Protein (His tag)

产品货号: TP06664

第三版

别名:AW456718;Ca4;Car4;RP23-167D6.1

**描述:**The carbonic anhydrases (or carbonate dehydratases) are classified as metalloenzyme for its zinc ion prosthetic group and form a family of enzymes that catalyze the rapid interconversion of carbon dioxide and water to bicarbonate and protons, a reversible reaction that takes part in maintaining acid-base balance in blood and other tissues. The carbonic anhydrase I (CA) family consists of at least 11 enzymatically active members and a few inactive homologous proteins. Carbonic anhydrase IV (CAIV) is a membrane-associated enzyme anchored to plasma membrane surfaces by a phosphatidylinositol glycan linkage. CAIV is a high-activity isozyme in CO<sub>2</sub> hydration comparable to that of CAII. Furthermore, CAIV is more active in HCO<sub>3</sub><sup>-</sup> dehydration than is CAII. However, the esterase activity of CAIV is decreased 150-fold compared to CAII.

**配方:**PBS

**分子量:**31 kDa

**序列:**Met 1-Ser 277

**纯度:**> 95% by HPLC

**浓度:**

**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.