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CA12, 25-301aa, Human, His tag, Insect cell

产品货号: TP01389

第三版

别名:Carbonic anhydrase 12 isoform 1, CAXII, HsT18816

描述:CA12, also known as Carbonic anhydrase 12, is an enzyme that in humans is encoded by the CA12 gene. 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. This gene product is a type I membrane protein that is highly expressed in normal tissues, such as kidney, colon and pancreas, and has been found to be overexpressed in 10% of clear cell renal carcinomas. Recombinant human CA12, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方:Liquid. In phosphate buffered saline (pH7.4) containing 10% glycerol.

分子量:31.94kDa (283aa) (28-40kDa in SDS-PAGE under reducing conditions.)

序列:

APVNGSKWTFYFGPDGENSWSKKYPSCGGLLQSPIDLHSDILQYDASLTPLEFQGYNLSANKQFLLTNNGHSVKLNLPSDM
HIQGLQSRYSATQLHLHWGNPNDPHGSEHTVSGQHFAAELHIVHYNLSDLYPDASTASNKSEGLAVLAVLIEMGSFNPSYD
KIFSHLQHVKYKGQEAFFVPGFNIEELLPERTAEYYRYRGSLLTPPCNPTVLWTVFRNPVQISQEQLLALETALYCTHMDDPS
PREMINNFRQVQKFDERLVYTSFSQVQVCTAAGLSHHHHHH

纯度:> 95% by HPLC

浓度:0.5mg/ml (determined by absorbance at 280nm)

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.