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PRKACB,1-398aa, Human, His tag, E.coli

产品货号: TP03523

第三版

别名:Protein kinase, cAMP-dependent, catalytic, beta, PKACB

描述:PRKACB is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase. cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. Recombinant human PRKACB 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:48.6 kDa (421aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSM AAYREPPCNQYTGTTTALQKLEGFASRLFHRHSGKTAHDQKTALENDSLHFSEH
TALWDRSMKEFLAKAKEDFLKKWENPTQNNAGLEDFERKKT LGTGSFGRV MLVKHKATEQYYAMKILDQKQVVKLKQI
EHTLNEKRILQAVNFPFLVRLEYAFKDNSNLYMVM EYVPGGEMFSLRRIGRFSEPHARFYAAQIVLTFEYLHSLDLIYRDL
KPENLLIDHQGYIQVTDGFAKRVKGRWTLCGTPEYLAPEIILSKGYNKAVDWWALGVLIYEMAAGYPPFFADQPIQIYE
KIVSGKVRFP SHFSSDLKDLLRNLLQVDLTKRFGNLKNGVSDIKTHKWFATTDWIAIYQRKVEAPFIPKFRGSGDTSNFDDY
EEEDIRVSITEKCAKEFGEF

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.