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PRKAA1, 1-279aa, Human, His tag, E.coli

产品货号: TP03519

第三版

别名:5-AMP-activated protein kinase catalytic subunit alpha-1 isoform 1, AMPK, AMPKa11

描述:PRKAA1 also known as 5-AMP-activated protein kinase catalytic subunit alpha-1 isoform 1. PRKAA1 is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinasen activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Recombinant human PRKAA1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid, In 20mM Tris-HCl buffer(pH8.0) containing 10% glycerol

分子量:34.3kDa (302aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMRRLSSWRKMATAEKQKHDGRVKIGHYILGDTLGVGTFGKVKVGKHELTGHKV
AVKILNRQKIRSLDVVGKIRREIQNLKFRPHIHKLYQVISTPSDIFMVM EYVSGGELFDYICKNGRLDEKESRRLFQQILSG
VDYCHRHMVVHRDLKPENVLLDAHMNAKIADFGLSNMMSDGEFLRTSCGSPNYAAPEVISGRLYAGPEVDIWSSGVILY
ALLCGTLPFDDDHVPTLFKKICDGIFYTPQYLNPSVISLLKHMLQVDPMKRATIKDIREHEWF

纯度:> 95% by HPLC

浓度:1mg/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.