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AKT1, 1-480aa, Human, His tag, E.coli

产品货号: TP01115

第三版

别名: RAC-alpha serine/threonine-protein kinase, AKT, CWS6, PKB, PKB-ALPHA, PRKBA, RAC, RAC-ALPHA

描述: AKT1 serine-threonine protein kinase is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Recombinant human AKT1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

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

分子量: 58.1kDa (503aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMDSVAIVKEGWLHKRGEYIKTWRPRYFLLKNDGTFIGYKERPQDVDQREAPLNNF  
SVAQCQLMKTERPRPNTFIIRCLQWTTVIERTFHVETPEEREWTTAIQTVADGLKKQEEEEMDFRSGSPDNSGAEEMEV  
SLAKPKHRVTMNEFEYLKLLGKGTGFKVILVKEKATGRYYAMKILKKEVIVAKDEVAHTLTENRVLQNSRHPFLTALKYSF  
QTHDRLCFVMEYANGGELFFHLSRERVFSEDRARFYGAEIVSALDYLHSEKNVVYRDLKLENLMLDKDGHKIDDFGLCKE  
GIKDGATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMYEMMCGRLPFYNQDHEKLFELILMEEIRFPRTLGP  
KSLLSGLLKKDPKQRLGGGSEDAKEIMQHRFFAGIVWQHVVYEKKLSPFPKQVTSETDTRYFDEEFTAQMITITPPDQDDS  
MECVDSERRPHFPQFSYSASGTA

纯度: > 95% by HPLC

浓度: 0.5mg/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.