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AKT1, 1-480aa, Human, His tag, Insect cell

产品货号: TP01116

第三版

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

描述: AKT1, also known as RAC-alpha 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. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. Recombinant human AKT1, 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), 20% glycerol.

分子量: 56.7kDa (488aa) 50-70KDa (SDS-PAGE under reducing conditions.)

序列:

MSDVAIVKEGWLHKRGEYIKTWPRPYFLLKNDGTFIGYKERPQDQREAPLNNFSVAQCQLMKTERPRPNTFIIRCLQ
WTTVIERTFHVETPEEREEWTTAIQTVADGLKKQEEEEMDFRSGSPSDNSGAEEMEVSLAKPKHRVTMNEFEYLKLLGKG
TFGKVLVKEKATGRYYAMKILKKEVIVAKDEVAHTLTENRVLQNSRHPFLTALKYSFQTHDRLCFVMEYANGGELFFHLS
RERVFSEDRARFYGAEIVSALDYLHSEKNVYRDLKLENLMLDKDGHKIDTDFGLCKEGIKDGATMKTFCGTPEYLAPEVL
EDNDYGRAVDWWGLGVVMYEMMCGRLPFYNQDHEKLFELILMEEIRFPRTLGPPEAKSLLSGLLKKDPKQRLGGGSEDAK
EIMQHRFFAGIVWQHVVYEKKLSPPFKPQVTSETDTRYFDEEFTAQMITITPPDQDDSMCEVDSERRPHFPQFSYSASGTALE
HHHHHH

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.