

Protein Kinase Akt1/PKB alpha, Inactive enzyme Human Recombinant

Item Number	rAP-1647
Synonyms	RAC-alpha serine/threonine-protein kinase, EC 2.7.11.1, RAC-PK-alpha, Protein kinase B, PKB, C-AKT, AKT1, AKT, RAC, PRKBA, MGC99656, RAC-ALPHA.
Description	PKAkt1 is a glycosylated polypeptide having a molecular mass of 59.1 kDa, fused with a polyhistidine tag at N-terminus (to facilitate removal of Akt1 kinase from the reaction mixture). Inactive enzyme, suitable for negative control experiments or for phosphorylation as a substrate. Recombinant Protein Kinase B is puri-
Uniprot Accesion Number	P31749
Amino Acid Sequence	
Source	Sf9 insect cells.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.
Formulation and Purity	PKAkt1 in 50mM Tris-HCl, 100mM NaCl, 1mM DTT, 25mM beta glycerophosphate, 50% glycerol, pH 8.5. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	No protease activity (Twinning test). The Specific activity is 235 U/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**