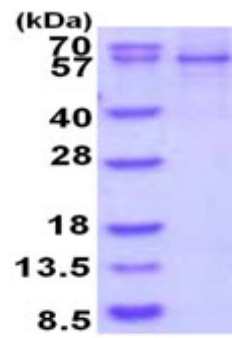


AR51735PU-S**Human AKT1 (1-480, His-tag) - Purified**

Alternate names:	AKT, CWS6, PKB, PKB-ALPHA, PRKBA, RAC, RAC-ALPHA, RAC-alpha serine/threonine-protein kinase
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
NCBI:	ATGP2915
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl (pH8.0) containing 10% glycerol.
Description:	Recombinant human AKT1 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHHH SGLVPRGSH MGSMSDVAIV KEGWLHKRGE YIKTWRPRYF LLKNDGTFIG YKERPDVDQ REAPLNNFSV AQCQLMKTER PRPNTFIIIRC LQWTTVIERT FHVETPEERE EWTTAIQTVA DGLKKQEEEE MDRSFGSPSD NSGAEEMEVS LAKPKHRVTM NEFEYLKLLG KGTFGKVLV KEKATGRYYA MKILKKEVIV AKDEVAHTLT ENRVLQNSRH PFLTALKYSF QTHDRLCFVM EYANGGELFF HLSRERVFSE DRARFYGAEI VSALDYLHSE KNVVYRDLKL ENLMLDKDGH IKITDFGLCK EGIKDGMTK TFCGTPEYLA PEVLEDNDYG RAVDWWGLGV VMYEMMCGR L PFYNQDHEKL FELILMEEIR FPRTLGPPEAK SLLSGLLKKD PKQRLGGGSE DAKEIMQHRF FAGIVWQHVV EKKLSPPFKP QVTSETDTRY FDEEFTAQMI TITPPDQDDS MECVDSERRP HFPQFSYSAS GTA Molecular weight: 58.1 kDa (503aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Dobashi Y., et al. (2014) Hum. Pathol. 45 (1), 127-136 Liu K, et al. (2013) Mol. Cell. Biol. 33 (23), 4685-4700

Pictures:



15% SDS-PAGE (3ug)