

## Product datasheet for **AR51735PU-N**

### AKT1 (1-480, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	AKT1 (1-480, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSDVAIV KEGWLHKRGE YIKTWRPRYF LLKNDGTFIG YKERPDVDQ REAPLNNFSV AQCQLMKTER PRPNTFIIRC LQWTTVIERT FHVETPEERE EWTTAIQTVA DGLKKQEEEE MDRSGSPSD NSGAEEMEVS LAKPKHRVTM NEFEYLKLLG KGTFGKVLV KEKATGRYYA MKILKKEVIV AKDEVAHTLT ENRVLQNSRH PFLTALKYSF QTHDRLCFVM EYANGGELFF HLSRERVFSE DRARFYGAEI VSALDYHSE KNVVYRDLKL ENLMLDKDGH IKITDFGLCK EGIKDGATMK TFCGTPEYLA PEVLEDNDYG RAVDWWGLGV VMYEMMCGRL PFYNQDHEKL FELILMEEIR FPRTLGPPEAK SLLSGLLKDD PKQRLGGGSE DAKEIMQHRF FAGIWWQHVY EKKLSPPFKP QVTSETDTRY FDEEFTAQMI TITPPDQDDS MECVDSERRP HFPQFSYSAS GTA
Tag:	His-tag
Predicted MW:	58.1 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human AKT1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
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.
Stability:	Shelf life: one year from despatch.
Locus ID:	109864281
Cytogenetics:	21p11.2

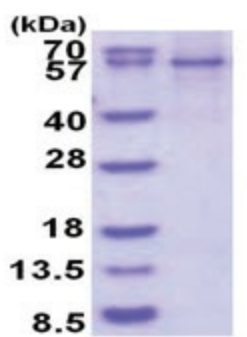


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**Synonyms:** RAC-alpha serine/threonine-protein kinase, AKT, CWS6, PKB, PKB-ALPHA, PRKBA, RAC, RAC-ALPHA

**Summary:** 45S ribosomal DNA (rDNA) arrays, or clusters, are present on human chromosomes 13, 14, 15, 21 and 22, designated RNR1 through RNR5, respectively. Each cluster consists of multiple 45S rDNA repeat units that vary in number among individuals and chromosomes, with total diploid copy number estimates ranging from 60 to >800 repeat units in a human genome. The 45S rDNA repeat unit encodes a 45S rRNA precursor, transcribed by RNA polymerase I, which is processed to form the 18S, 5.8S and 28S rRNAs. This gene represents a copy of the 5.8S ribosomal RNA on chromosome 21. [provided by RefSeq, Mar 2017]

**Product images:**



15% SDS-PAGE (3ug)