

Active Recombinant Full Length Human AKT1 protein, His-tagged

Cat. No. AKT1-786H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human AKT1 protein(NP_001014431.1) (Met 1-Ala 480) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-480 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, 3mM DTT, 0.5mM PMSF, 5% Glycerol, pH 8.0.
Bio-activity	1. No Kinase Activity 2. Measured by its ability to bind biotinylated human CD136 in a functional ELISA.
Molecular Mass	The recombinant human AKT1 consists of 491 amino acids and migrates as an approximately 57 kDa band as predicted in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 87 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [AKT1 v-akt murine thymoma viral oncogene homolog 1 \[Homo sapiens \]](#)

Official Symbol [AKT1](#)

Synonyms

AKT1; v-akt murine thymoma viral oncogene homolog 1; RAC-alpha serine/threonine-protein kinase; AKT; PKB; PRKBA; RAC; PKB alpha; RAC-PK-alpha; proto-oncogene c-Akt; protein kinase B alpha; rac protein kinase alpha; PKB-ALPHA; RAC-ALPHA; MGC99656;

Gene ID [207](#)

mRNA Refseq [NM_001014431](#)

Protein Refseq [NP_001014431](#)

MIM [164730](#)

UniProt ID [P31749](#)

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