

# Active Recombinant Full Length Human AKT1 protein, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-480 aa
<b>Form</b>	Lyophilized from sterile 50mM Tris, 100mM NaCl, 3mM DTT, 0.5mM PMSF, 5% Glycerol, pH 8.0.
<b>Bio-activity</b>	1. No Kinase Activity 2. Measured by its ability to bind biotinylated human CD136 in a functional ELISA.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 87 % as determined by SDS-PAGE
<b>Storage</b>	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](mailto: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](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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