

# Human AKT2/PKB beta (His & GST Tag) recombinant protein



Catalog Number: 502737

## General Information

### Gene Name Synonym

Protein kinase Akt-2; Protein kinase B beta; RAC-PK-beta

### Protein Construction

A DNA sequence encoding the human AKT2 (NP\_001617.1) (Met1-Glu481) was expressed with a C-terminal polyhistidine-tagged GST tag at the N-terminus (his-GST).

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Kinase activity untested

### Purity

> 90 % as determined by SDS-PAGE.

### Endotoxin

<1.0 EU per  $\mu\text{g}$  protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

## Molecular Mass

The recombinant human AKT2 consists 718 amino acids and predicts a molecular mass of 83.6 kDa.

### Formulation

Supplied as sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

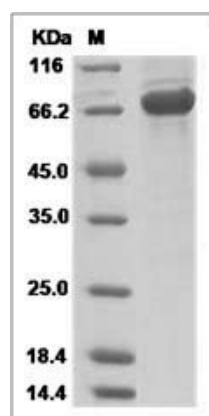
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human AKT2 / Protein kinase B ? / PKB beta Protein (His & GST Tag) SDS-PAGE