

# Human AKT3 (GST Tag) recombinant protein



Catalog Number: 502353

## General Information

### Gene Name Synonym

Protein kinase Akt-3; Protein kinase B gamma;  
RAC-PK-gamma; STK-2

### Protein Construction

A DNA sequence encoding the full length of human PKBG (NP\_005456.1) (Met 1-Glu 479) was expressed with the GST tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

No Kinase Activity

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the 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 PKBG/GST chimera consists of 704 amino acids and predicts a molecular mass of 81 kDa which is also estimated by SDS-PAGE.

## Formulation

Lyophilized from sterile PBS, 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

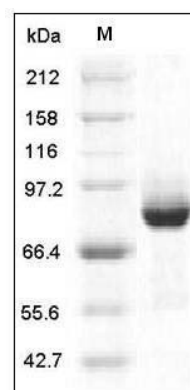
### Storage

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 AKT3 Protein (GST Tag) SDS-PAGE