

Mouse AKT3 (aa 106-479) recombinant protein



Catalog Number: 502955

General Information

Gene Name Synonym

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

Protein Construction

A DNA sequence encoding the AKT3 (Q9WUA6-1) (Ala106-Glu479) was expressed and purified.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

The specific activity was determined to be 20 nmol/min/mg using synthetic GSK3-derived peptide (R11-SGRARTSSFAEPGGK) as substrate.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Gly

Molecular Mass

The recombinant mouse AKT3 consists of 376 amino acids and predicts a molecular mass of 43.4 KDa. It migrates as an approximately 46 KDa band in SDS-PAGE under reducing conditions.

Formulation

Supplied as sterile 20mM Tris, 500mM 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

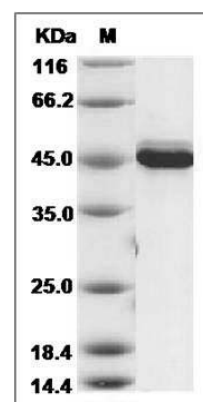
Storage

Store it under sterile conditions at -20°C to -80°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



Mouse AKT3 Protein (aa 106-479) SDS-PAGE