AKT3 (G171R) Recombinant Protein | AKT3 recombinant protein

AKT3 (G171R), Active

CATALOG #	HOST	APPLICATIONS
AAA73220	**Sf9 insect cells**	**Kinase Assay**

PRODUCT SYNONYMS

AKT3 (G171R); Active; PKBG; PRKBG; STK-2; RAC-gamma; RAC-PK-gamma; DKFZP434N0250; AKT3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for AKT3 recombinant protein	Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for AKT3 recombinant protein	Recombinant full-length human AKT3 (G171R) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005465. AKT3 or Protein Kinase B gamma (PKBgamma) is a serine/threonine kinase that is a member of the AKT family. AKT3 is activated in cells exposed to diverse stimuli such as hormones, growth factors, and extracellular matrix components (1). AKT3 phosphorylates and regulates the function of many cellular proteins involved in processes that include cellular metabolism, survival/apoptosis, and proliferation. Recent evidence indicates that AKT3 is frequently overexpressed in many types of human cancers including breast and prostate (2).
Product Categories/Family for AKT3 recombinant protein	Mutant Kinases; AKT/PKB Pathway; Angiogenesis; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; Inflammation; Invasion/Metastasis; Metabolic Disorder; Neurobiology; NfkB Pathway; Ser/Thr Kinases; WNT Signaling
References	1. Coffer, PJ. et al: Protein kinase B (c-Akt): a multifunctional mediator of phosphatidylinositol 3-kinase activation. Biochem J. 1998 Oct 1; 335 (Pt 1): 1-13. 2. Anderson, KE. et al: Translocation of PDK-1 to the plasma membrane is important in allowing PDK-1 to activate protein kinase B. Curr Biol. 1998 Jun 4;8(12): 684-91.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005465
Molecular Weight	~85kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/akt3-g171r-recombinant-protein-sf9-insect-cells-kinase-assay/73220