



Recombinant Protein Technical Manual
Recombinant Human AKT2/PKB beta Protein (His & GST Tag)
RPES1495

Product Data:

Product SKU: RPES1495

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: NP_001617.1

Protein Information:

Molecular Mass: 83.6 kDa

AP Molecular Mass:

Tag: N-His & GST

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: HIHGHH;PKBB;PKBBETA;PRKBB;RAC-BETA

Immunogen Information:

Sequence: Met 1-Glu481

Background:

AKT2 (AKT Serine/Threonine Kinase 2) is a Protein Coding gene. Diseases associated with AKT2 include Hypoinsulinemic Hypoglycemia With Hemihypertrophy and Diabetes Mellitus, Noninsulin-Dependent. Among its related pathways are Constitutive Signaling by AKT1 E17K in Cancer and RANK Signaling in Osteoclasts. Gene Ontology (GO) annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is AKT1.