

AKT1

Recombinant Human AKT1, Active, GST-tagged

Catalog No. CRA004A **Quantity:** 5 µg
 CRA004B 10 µg

Alternate Names: PKB, RAC, PRKBA, RAC-ALPHA

Description: AKT1 is a serine/threonine kinase that belongs to the AKT family. AKT1 is activated in cells in response to diverse stimuli such as hormones, growth factors, and extracellular matrix components and is involved in glucose metabolism, transcription, survival, cell proliferation, angiogenesis, and cell motility. AKT1 is frequently overexpressed and active in many types of human cancers including cancers of colon, breast, brain, pancreas, and prostate as well as lymphomas and leukemias.

Recombinant full-length human AKT1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Concentration: 0.1 µg/µL

GenElD: 207

UniProtKB: P31749

Source: Sf9 cells

Molecular Weight: ~85 kDa

Formulation: Liquid in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM Glutathione, 0.1 mM EDTA, 0.1 mM PMSF, 25% Glycerol.

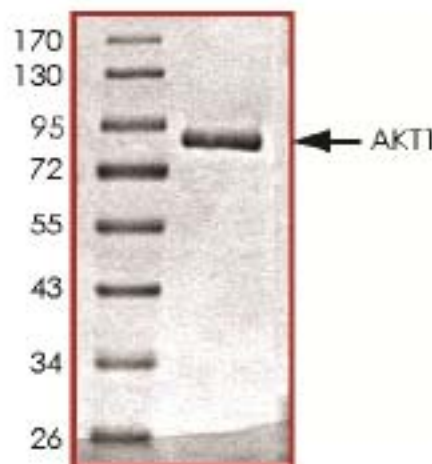
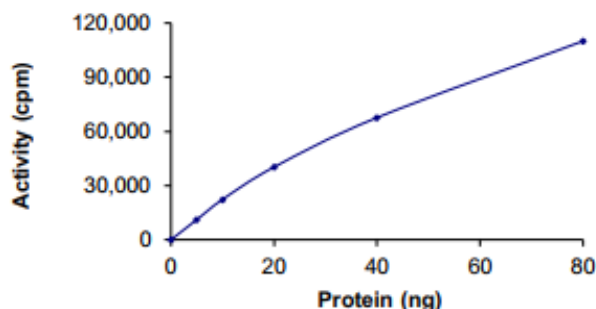
Purity: > 95% by SDS-PAGE and densitometry

Storage & Stability: **Centrifuge vial prior to opening.** For optimal storage, aliquot into smaller quantities and store at -80 °C. **Avoid repeated freeze-thaw cycles.**

Specific Activity: 103 nmol/min/mg

Purity: 95% by densitometry

Specific Activity



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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