

Recombinant Human AKT1 protein, His-tagged

Cat. No. AKT1-47H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKT1 protein(Met1-Val390), fused with C-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-390 aa
Form	Lyophilized from a 0.22 µm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, 1 mM DTT, pH 8.0.
Molecular Mass	45.6 kDa
Endotoxin	< 1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5%

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HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name AKT1 v-akt murine thymoma viral oncogene homolog 1 [Homo sapiens]

Official Symbol AKT1

Synonyms AKT1; v-akt murine thymoma viral oncogene homolog 1; RAC-alpha serine/threonine-protein kinase; AKT; PKB; PRKBA; RAC; PKB alpha; RAC-PK-alpha; proto-oncogene c-Akt; protein kinase B alpha; rac protein kinase alpha; PKB-ALPHA; RAC-ALPHA; MGC99656;

Gene ID 207

mRNA Refseq NM_001014431

Protein Refseq NP_001014431

MIM 164730

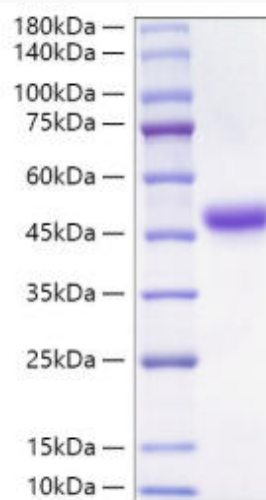
UniProt ID P31749

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SDS-PAGE



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