

Recombinant Human AKT3 Protein, His-tagged

Cat. No. AKT3-550H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKT3(Asp46~Glu338) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp46~Glu338
Description	The protein encoded by this gene is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1). Alternatively splice transcript variants encoding distinct isoforms have been described.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	37.9kDa
Identity	Reconstitute in PBS or others
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	AKT3 v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma) [Homo sapiens]
Official Symbol	AKT3
Synonyms	AKT3; v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma); RAC-gamma serine/threonine-protein kinase; PKBG; PRKBG; RAC gamma; PKB gamma; RAC-gamma serine/threonine protein kinase; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma; DKFZp434N0250;
Gene ID	10000
mRNA Refseq	NM_001206729

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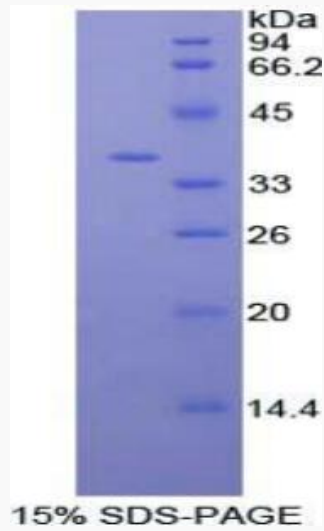
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Protein Refseq NP_001193658

MIM 611223

UniProt ID Q9Y243



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