Recombinant Human Akt3, His-tagged

Cat. No. Akt3-159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RecombinantHuman Akt3 fused with 6 His tag was produced in E.coli and purified byNi-sepharose.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a member of theAKT, also called PKB, serine/threonine protein kinase family. AKT kinases areknown to be regulators of cell signaling in response to insulin and growthfactors. They are involved in a wide variety of biological processesincluding cell proliferation, differentiation, apoptosis, tumorigenesis, aswell as glycogen synthesis and glucose uptake. This kinase has been shown tobe stimulated by platelet-derived growth factor (PDGF), insulin, andinsulin-like growth factor 1 (IGF1). Alternatively splice transcript variantsencoding distinct isoforms have been described.
Antigen peptideregion	95-155aa
Storage Buffer	1MPBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazoleand 0.7% Sarcosyl, 15%glycerol.
Storage	Theprotein is stored in PBS buffer at -20 °C.Repeated freezethaw cycles should be avoided.

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OfficialSymbol	AKT3

GENE INFORMATION

Gene Name	AKT3 v-akt murine thymomaviral oncogene homolog 3 (protein kinase B, gamma) [Homo sapiens]
Synonyms	AKT3; v-akt murinethymoma viral oncogene homolog 3 (protein kinase B, gamma); PKBG; PRKBG;STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma; DKFZp434N0250; RAC-gammaserine/threonine-protein kinase; PKB gamma; EC 2.7.11.1; Protein kinase Akt-3;Protein kinase B gamma; OTTHUMP00000037911; OTTHUMP00000037912; serinethreonine protein kinase, Akt-3; EC 2.7.11
Gene ID	10000
mRNA Refseq	NM_001206729
Protein Refseq	NP_001193658
MIM	611223
UniProt ID	Q9Y243
Chromosome Location	1q44
Pathway	Acutemyeloid leukemia; Adaptive Immune System; Apoptosis
Function	ATPbinding; nucleotide binding; protein binding

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