

## Recombinant Human Akt3, His-tagged

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

### SPECIFICATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>      | Recombinant Human Akt3 fused with 6 His tag was produced in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>               | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>                | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>           | 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 spliced transcript variants encoding distinct isoforms have been described. |
| <b>Antigen peptideregion</b> | 95-155aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>        | 1MPBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>               | The protein is stored in PBS buffer at -20 °C. Repeated freeze/thaw 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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