

Recombinant Full Length Human AKT3 Protein, GST-tagged

Cat. No. AKT3-1385HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AKT3 full-length ORF (NP_005456.1, 1 a.a. - 479 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	479 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	78.32 kDa
AA Sequence	MSDVTIVKEG WVQKRGEYIK NWRPRYFLK TDGSFIGYKE KPQDVDLPYP LNNFSVAKCQ LMKTERPKPN TFIIRCLQWT TVIERTFHVD TPEEREEWTE AIQAVADRLQ RQEEERMNCS PTSQIDNIGE EEMDASTTHH KRKTMNDFDY LKLLGKGTFG KVILVREKAS GKYYAMKILK KEVIAKDEV AHTLTESRVL KNTRHPFLTSLKYSFQTKDR LCFVMEYVNG GELFFHLSRE RVFSEDTRF

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YGAEIVSALD YLHSGKIVYR DLKLENMLD KDGHIKITDF GLCKEGITDA
 ATKMTFCGTP EYLAPEVLED NDYGRAVDWW GLGVVMYEMM CGRLPFYNQD
 HEKLFELILM EDIKFPRTLS SDAKSLLSGL LIKDPNKRLG GGPDDAKEIM
 RHSFFSGVNW QDVYDKKLVP PFKPQVTSET DTRYFDEEFT AQTITITPPE
 KYDEDGMDCM DNERRPHFPQ FSYSASGRE

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

Protein Refseq

NP_001193658

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MIM	611223
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UniProt ID	Q9Y243
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