

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 KEVIIAKDEV AHTLTESRVL KNTRHPFLTSLKYSFQTKDR LCFVMEYVNG GELFFHLSRE RVFSEDRTRF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YGAEIVSALD YLHSGKIVYR DLKLENMLD KDGHIKITDF GLCKEGITDA
 ATMKTFCGTP EYLAPEVLED NDYGRAVDWW GLGVVMYEMM CGRLPFYNQD
 HEKLFELILM EDIKFPRTLS SDAKSLLSGL LIKDPNKRLG GGPDDAKEIM
 RHSFFSGVNW QDVYDKKLVP PFKPQVTSET DTRYFDEEFT AQTITIPPE
 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



MIM	611223
------------	--------

UniProt ID	Q9Y243
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA