

Recombinant Human AKT3 Protein, GST-tagged

Cat. No. AKT3-427H **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	Wheat Germ
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	MSDVTIVKEGWVQKRGEYIKNWRPRYFLLKTDGSFIGYKEKPQDVDLPYPLNNSV AKCQLMKTERPKPNTFIIRCLQWTTVIERTFHVDTPEREWEWTEAIQAVADRLQRQE EERMNCSPTSQIDNIGEEEMDASTTHHKRKT MNDFDYLKLLGKGTFGKVILVREKAS GKYYAMKILKKEVIIAKDEVAHTLTESRVLKNTRHPFLTSLKYSFQTKDRLCFVMEYV NGGELFFHLSRERVFSEDRTRFYGAIEVSALDYLHSGKIVYRDLKLENLMLDKDGHK ITDFGLCKEGITDAATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMEYMMC

 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

GRLPFYNQDHEKLFELILMEDIKFPRTLSSDAKSLLSGLLIKDPNKRLGGGPDDAKEI
MRHSFFSGVNWQDVYDKKLVPPFKPQVTSETDTRYFDEEFTAQTITITPPEKYDEDG
MDCMDNERRPHFPQFSYSASGRE

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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](#)

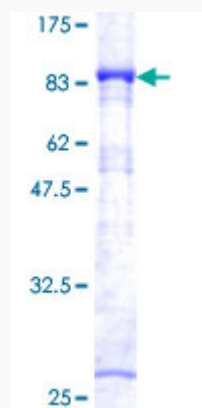
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MIM 611223

UniProt ID Q9Y243



12.5% SDS-PAGE Stained with Coomassie Blue.

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