

# Recombinant Human AKT3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AKT3-1566H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	AKT3 MS Standard C13 and N15-labeled recombinant protein (NP_859029) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	53.9 kDa
<b>AA Sequence</b>	MSDVTIVKEGWVQKRGEYIKNWRPRYFLLKTDGSGFIGYKEKPQDVDLPYPLNDFS AKCQLMKTERPKPNTFIIRCLQWTTVIERTFHVDTPPEEREWTEAIQAVADRLQRQE EERMNCSPTSQIDNIGEEEMDASTTHHKRKTMNDFDYLKLLGKGTFGKVLVREKAS GKYYAMKILKKEVIIAKDEVAHTLTESRVLKNTRHPFLTSLKYSFQTKDRLCFVMEYV NGGELFFHLSRERVFSEDRTRFYGAEIVSALDYLHSGKIVYRDLKLENLMRDKDGHI

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KITDFGLCKEGITDAATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMMYEMM  
 CGRLPFYNQDHEKLFELILMEDIKFPRTLSSDAKSLLSGLLIKDPNKRLGGGPDDAKEI  
 MRHSFFSGVNWQDVYDKKLVPPFKPQVTSETDTRYFDEEFTAQTITITPPEKCCQS  
 DCGMLGNWKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [AKT3 AKT serine/threonine kinase 3 \[ Homo sapiens \(human\) \]](#)

**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\\_181690](#)

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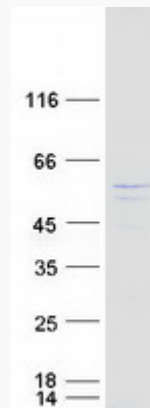
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**Protein Refseq**      NP\_859029

**MIM**                    611223

**UniProt ID**            Q9Y243

**SDS-PAGE**



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