

## Recombinant Human AKT3 Protein, His-tagged

**Cat. No.** AKT3-01H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Akt3 (1-479aa, 485aa), fused to His-tag at C terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-479 a.a.
<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 splice transcript variants encoding distinct isoforms have been described.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	56.5 kDa
<b>AA Sequence</b>	MSDVTIVKEGWVQKRGEYIKNWRPRYFLLKTDGSFIGYKEKPQDVDLPYPLNNFSV AKCQLMKTERPKPNTFIIRCLQWTTVIERTFHVDTPPEEREEWTEAIQAVADRLQRQE EERMNCSPTSQIDNIGEEEMDASTTHHKRKTMNDFDYLLKLLGKGTFGKVLVREKAS

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GKYYAMKILKKEVIIAKDEVAHTLTESRVLKNTRHPFLTSLKYSFQTKDRLCFVMEYV  
 NGGELFFHLSRERVFSEDRTRFYGAEIVSALDYLHSGKIVYRDLKLENLMLDKDGHK  
 ITDFGLCKEGITDAATMKTFCGTPEYLAPEVLEDNDYGRAVDWWGLGVVMEYMMC  
 GRLPFYNQDHEKLFELILMEDIKFPRTLSSDAKSLLSGLLIKDPNKRLGGGPDDAKEI  
 MRHSFFSGVNWQDVYDKKLVPPFKPQVTSETDTRYFDEEFTAQTITITPPEKYDEDG  
 MDCMDNERRPHFPQFSYSASGRE

**Endotoxin** < 1 EU/μg of protein (determined by LAL method)

**Purity** > 90% by SDS-PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/mL (determined by Absorbance at 280nm)

**Storage Buffer** Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

## GENE INFORMATION

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

**Official Symbol** [AKT3](#)

**Synonyms**

AKT3; AKT serine/threonine kinase 3; MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma; RAC-gamma serine/threonine-protein kinase; PKB gamma; RAC-gamma serine/threonine protein kinase; v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma); EC 2.7.11.1

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Gene ID 10000

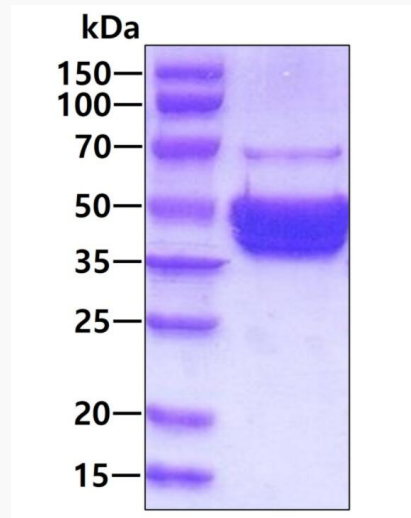
mRNA Refseq NM\_005465

Protein Refseq NP\_005456

MIM 611223

UniProt ID Q9Y243

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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