

# Recombinant Human AKT2 protein, Flag-tagged, Biotinylated

Cat. No. AKT2-31H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human AKT2, catalytic domain [120-481(end) amino acids of accession number NP_001617.1] fused with DYKDDDDK tag at N-terminal was expressed in insect cell and biotinylated.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	120-481 a.a.
<b>Form</b>	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
<b>Molecular Mass</b>	45 kDa
<b>Purity</b>	>95% as determined by SDS-PAGE and CBB staining
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	AKT2 v-akt murine thymoma viral oncogene homolog 2 [ Homo sapiens ]
<b>Official Symbol</b>	AKT2

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Synonyms</b>	AKT2; PKB beta; RAC-PK-beta;PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA;
<b>Gene ID</b>	<a href="#">208</a>
<b>mRNA Refseq</b>	<a href="#">NM_001243027</a>
<b>Protein Refseq</b>	<a href="#">NP_001229956</a>
<b>MIM</b>	<a href="#">164731</a>
<b>UniProt ID</b>	<a href="#">P31751</a>
<b>Chromosome Location</b>	19q13.1-q13.2
<b>Pathway</b>	AKT phosphorylates targets in the cytosol, organism-specific biosystem; AKT phosphorylates targets in the nucleus, organism-specific biosystem; AKT-mediated inactivation of FOXO1A, organism-specific biosystem; Activation of PKB, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem;
<b>Function</b>	ATP binding; ATP binding; kinase activity; nucleotide binding; protein binding; protein kinase C binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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