

## Recombinant Human AKT2 protein, His & T7-tagged

Cat. No. AKT2-1841H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AKT2 aa. (Lys142~Ile412 (Accession # P31751)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Lys142~Ile412
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 35.1kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 7.8.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage buffer**

Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

[AKT2 AKT serine/threonine kinase 2 \[ Homo sapiens \(human\) \]](#)

**Official Symbol**

[AKT2](#)

**Synonyms**

AKT2; AKT serine/threonine kinase 2; PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA; RAC-beta serine/threonine-protein kinase; PKB beta; RAC-PK-beta; murine thymoma viral (v-akt) homolog-2; protein kinase Akt-2; protein kinase B beta; putative v-akt murine thymoma viral oncoprotein 2; rac protein kinase beta; v-akt murine thymoma viral oncogene homolog 2

**Gene ID**

[208](#)

**mRNA Refseq**

[NM\\_001330511.1](#)

**Protein Refseq**

[NP\\_001317440.1](#)

**UniProt ID**

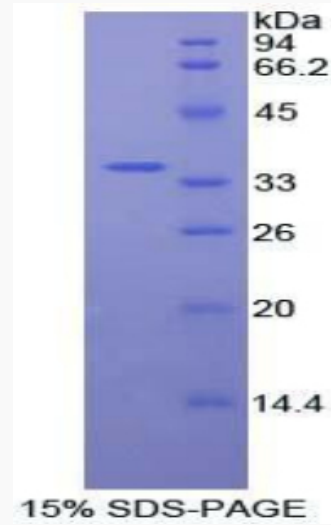
[P31751](#)

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SDS-PAGE



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