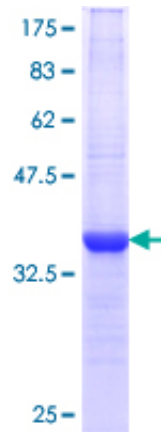


# Recombinant Human AKT1 Protein (127-200), N-GST-tagged

## Product Information

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<b>Cat</b>	IMP-8132
<b>Official Symbol</b>	AKT1
<b>Product Overview</b>	Human AKT1 partial ORF ( AAH00479.1, 127 a.a.-200 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
<b>Description</b>	<p>The serine-threonine protein kinase encoded by the AKT1 gene is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. Multiple alternatively spliced transcript variants have been found for this gene.</p>
<b>Expression System</b>	Wheat Germ (in vitro)
<b>Species</b>	Human
<b>Tag</b>	N-GST
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	33.77 kDa
<b>Protein length</b>	127-200
<b>AA Sequence</b>	DNSGAEEMEVSLAKPKHRVTMNEFEYLKLLGKGTFGKVLVKEKATGRYY AMKILKKEVIVAKDEVAHTLTENR
<b>Applications</b>	ELISA; WB (Recombinant protein); Antibody Production; Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>SDS-PAGE</b>	



***12.5% SDS-PAGE Stained with Coomassie Blue.***