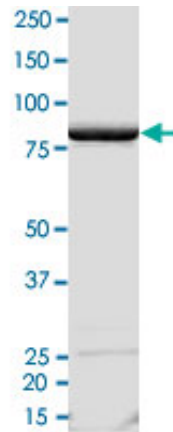


Recombinant Human AKT1 Protein (106-480), GST/His-tagged

Product Information

Cat	IMP-8127
Official Symbol	AKT1
Product Overview	Human AKT1 (NM_005163, 106 a.a.-480 a.a) partial recombinant protein with GST-His tag expressed in Sf9 cells.
Description	<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>
Expression System	Insect cells
Species	Human
Tag	GST/His
Form	Liquid, In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)
Molecular Mass	77.832 kDa
Protein length	106-480
Applications	Functional Study; SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	0.434 µg/µL
SDS-PAGE	



2 $\mu\text{g/lane}$ SDS-PAGE Stained with Coomassie Blue

Bioactivity-ELISA 1

