

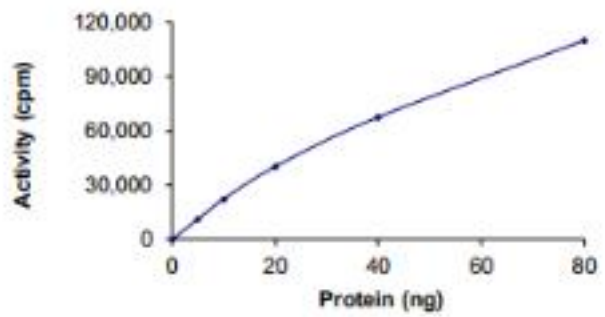
AKT1

Recombinant Human AKT1, Active, GST-tagged

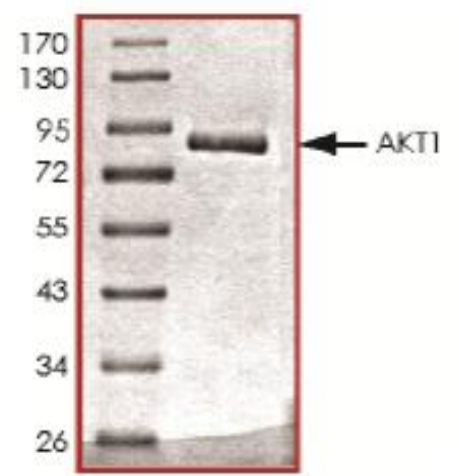
Catalog No.	CRA004A CRA004B	Quantity:	5 µg 10 µg
Alternate Names:	RAC-alpha serine/threonine-protein kinase, Protein kinase B, PKB, Protein kinase B alpha, PKB alpha, Proto-oncogene c-Akt		
Description:	AKT1, a serine/threonine kinase that belongs to the AKT family, is activated in cells in response to diverse stimuli such as hormones, growth factors, and extracellular matrix components and is involved in glucose metabolism, transcription, survival, cell proliferation, angiogenesis, and cell motility. AKT1 is frequently overexpressed and active in many types of human cancers including cancers of colon, breast, brain, pancreas, and prostate as well as lymphoma and leukemia.		
Concentration:	0.1 µg/µL		
UniProt ID:	P31749		
Source:	Sf9 insect cells		
Molecular Weight:	~85 kDa		
Formulation:	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM Glutathione, 0.1 mM EDTA, 0.1 mM PMSF, 25% Glycerol.		
Purity:	> 95% by SDS-PAGE		
Specific Activity:	Lot specific, ≥ 100 nmol/min/mg using a synthetic peptide substrate (CKRPRAASFAE), assay protocol provided.		
Storage & Stability:	Centrifuge vial prior to opening. For optimal storage, prepare single-use aliquots and store at -80 °C. Avoid repeated freeze-thaw cycles.		

Specific Activity: ≥ 100 nmol/min/mg, lot specific

Specific Activity



SDS-PAGE



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