

Recombinant Human AKT1 (N-GST tag)

Cat No:HR2R1130

For research use only

Overview

Quantity	10 ?g
Gene Symbol	AKT1/PKB alpha
Gene ID	N/A
Accession	NM_005163
Alternative Name	PKB; RAC; PRKBA; MGC99656; RAC-ALPHA
Species	Human
Source	Insect cells
Description	AKT1/PKBa is a serine/threonine kinase that belongs to the AKT family. AKT1 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 lymphomas and leukemias .?
Functions	The specific activity of AKT1 was determined to be 125 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	85
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.