

BioActive Human AKT1 (E17K) Recombinant Protein, Fc Tag

Catalog Number: SGRP00629

DESCRIPTION	
Product Name	BioActive Human AKT1 (E17K) Recombinant Protein, Fc Tag
Gene Name	AKT1
Source	Full length Human ABL1 (T315A, F317L, F317V, F317I, F317C, V299L), expressed in HEK293 cells.
Alternative names	
SPECIFICATIONS	
Biological Activity	Fully biologically active
Purity	> 95% by SDS-PAGE & HPLC
Endotoxin Level	< 1.0 EU per µg protein as determined by the LAL method
Expression System	HEK293 Cells
Format	Recombinant
Species	Human
Predicted MW	
Actual MW	
Applications	Sandwich ELISA Functional Studies Mass Spectrometry SDS-PAGE HPLC
Form	Lyophilized from sterile PBS, pH 7.12
Concentration	N/A
Stability and Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Reconstitute with Phosphate Buffered Saline.
BACKGROUND	
Gene Accession	P31749
Gene Alias	Protein names Recommended name RAC-alpha serine/threonine-protein kinase EC number EC:2.7.11.1 2 Publications (UniProtKB ENZYME Rhea) Alternative names Protein kinase B (PKB) Protein kinase B alpha (PKB alpha) Proto-oncogene c-Akt RAC-PK-alpha Gene names Name AKT1 Synonyms PKB, RAC
Background	AKT1 E17K is present in 0.87% of AACR GENIE cases, with breast invasive ductal carcinoma, endometrial endometrioid adenocarcinoma, invasive breast carcinoma, colon adenocarcinoma, and breast invasive lobular carcinoma having the greatest prevalence.



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