

Human CellExp™ Akt1 Protein (His Tagged & Strep Tagged), human recombinant
RAC-alpha serine/threonine-protein kinase, AKT1, PKB, RAC, RAC-PK-alpha, PKB alpha,
Proto-oncogene c
Catalog # PBV11452r

Specification

Human CellExp™ Akt1 Protein (His Tagged & Strep Tagged), human recombinant - Product info

Primary Accession [P31749](#)
Calculated MW **60 kDa KDa**

Human CellExp™ Akt1 Protein (His Tagged & Strep Tagged), human recombinant - Additional Info

Gene ID	207
Other Names	
RAC-alpha serine/threonine-protein kinase, AKT1, PKB, RAC, RAC-PK-alpha, PKB alpha, Proto-oncogene cAkt	
Gene Source	Human
Source	HEK293 cells
Assay&Purity	SDS-PAGE;>92%
Recombinant	Yes
Sequence	Met 1 - Ala 480
Target/Specificity	
Akt1	

Application Notes

Reconstitute in sterile deionized water to a stock solution of 200 µg/mL. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage.

Format

Dry powder

Storage

+4°C;Lyophilized powder

Human CellExp™ Akt1 Protein (His Tagged & Strep Tagged), human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp™ Akt1 Protein (His Tagged & Strep Tagged), human recombinant - Images

Human CellExp™ Akt1 Protein (His Tagged & Strep Tagged), human recombinant - Background

AKT1 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. This is mediated through serine and/or threonine phosphorylation of a range of downstream substrates. AKT regulates also the storage of glucose in the form of glycogen by phosphorylating GSK3A at 'Ser-21' and GSK3B at 'Ser-9', resulting in inhibition of its kinase activity.