

RPPB2437

Product Information Protein Information

Product SKU:

RPPB2437

Accession:

P31749

Host:

Sf9, Baculovirus cells.

Protein description:

AKT1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 488 amino acids (1-480a.a.) and having a molecular mass of 56.7kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). AKT1 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

V-Akt Murine Thymoma Viral Oncogene Homolog 1, Protein Kinase B Alpha, Proto-Oncogene C-Akt, RAC-PK-Alpha, EC 2.7.11.1, PKB Alpha, CWS6, PKB, RAC, RAC-Alpha Serine/Threonine-Protein Kinase, Rac Protein Kinase Alpha, Protein Kinase B, PKB-ALPHA, RAC-ALPHA, EC 2.7.11, AKT1m, PRKBA, AKT, RAC-alpha serine/threonine-protein kinase.

Formulation:

AKT1 protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 20% glycerol.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MSDVAIVKEG WLHKRGEYIK TWRPRYFLK NDGTFIGYKE RPQDVDQREA PLNNFSVAQC QLMKTERPRP
NTFIIRCLQW TTVIERTFHV ETPEEREWT TAIQTVADGL KKQEEEEMDF RSGSPSDNSG AEEMEVSLAK
PKHRVTMNEF EYLKLLGKGT FGKVLVKEK ATGRYAMKI LKKEVIVAKD EVAHTLTENR VLQNSRHPFL
TALKYSFQTH DRLCFVMEYA NGGELFFHLS RERVFSEDRA RFGYAEIVSA LDYLVHSEKNV VYRDLKLENL
MLDKDGHKI TDFGLCKEGI KDGATMKTFC GTPEYLAPEV LEDNDYGRAV DWWGLGVVMY EMMCGRLPFY
NQDHEKLFEL ILMEEIRFPR TLGPEAKSLL SGLLKDPKQ RLGGSSEDAK EIMQHRFFAG IVWQHVVYEK
LSPPFKQVT SETDTRYFDE EFTAQMITIT PPDQDDSMC VDSERRPHFP QFSYSASGTA LEHHHHHH.