

32-6998: PRKACA Human, sf9

Alternative Name : cAMP-dependent protein kinase alpha-catalytic subunit, EC 2.7.11.11, PKA C-alpha, PKACA, PRKACA, MGC48865, MGC102831.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

cAMP-dependent protein kinase catalytic subunit alpha isoform Calpha1 (PRKACA) belongs to the Ser/Thr protein kinase family. PRKACA is responsible for phosphorylating other proteins and substrates, changing their activity. The PRKACA protein is a member of the AGC kinase family, and contributes to the regulation of cellular processes which include glucose metabolism, cell division, and contextual memory.

PRKACA Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 578 amino acids (1-351 a.a.) and having a molecular mass of 67kDa (Migrates at 50-70kDa on SDS-PAGE under reducing conditions). PRKACA is expressed with a 227 amino acid GST Tag at N-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 85% as determined by SDS-PAGE.

Content : PRKACA protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : 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 : MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFSLKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSHMGN AAAAKKGSEQ ESKEFLAKA KEDFLKKWES PAQNTAHL DQ FERIKLTGTG SFGRVMLVKH KETGNHYAMK ILDKQKVVKL KQIEHTLNEK RILQAVNFPF LVKLEFSFKD NSNLYMVMEY VPGGEMFSL RRIGRFSEPH ARFYAAQIVL TFEYLHSLDL IYRDLKPENL LIDQQGYIQV TDFGFAKRVK GRTWTLCGTP EYLAPEILS KGYNKAVDWW ALGVLIYEMA AGYPPFFADQ PIQIYEKIVS GKVRFP SHFS SDLKDLLRNL LQVDLTKRFG NLKNGVNDIK NHKWFATTDW IAIYQRKVEA PFIPKFKGPG DTSNFDDYEE EEIRVSINEK CGKEFSEF.