

c-AMP dependant Protein Kinase A catalytic subunit alpha Human Re-

Item Number	rAP-1648
Synonyms	cAMP-dependent protein kinase alpha-catalytic subunit, EC 2.7.11.11, PKA C-alpha, PKACA, PRKACA, MGC48865, MGC102831.
Description	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
Uniprot Accession Number	P17612
Amino Acid Sequence	MSPILGYWKI KGLVQPTRL LLEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQS- MA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFSLKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGQWATF GGGDHPPKSD LVPRGSHMGN AAAAKKGSEQ ESVKEFLAKA KEDFLKKWES PAQNTAHL DQ FERI KTLGTG SFGRV MLVKH KETGNHYAMK ILDKQKVVKL KQIEHTLNEK RILQAVNFPF LVKLEFSFKD NSNLYMVM EY VPGGEMFSL RRIGRFSEPH ARFYAAQIVL TFEYLHSLDL IYRDLKPENL LIDQQGYIQV TDFGFAKRVK GRTWTL CGTP EYLAPEIILS KGYNKAVDWW ALGVLIYEMA AGYPPFFADQ PIQIYEKIVS GKVRFP SHFS SDLKLLRNL LQVDLTKRFG NLKNGVNDIK
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	PRKACA protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**