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DATA SHEET

Protein Kinase CAMP-Dependent Catalytic Beta Human Recombinant

Item Number	rAP-1751
Synonyms	Protein Kinase CAMP-Dependent Catalytic Beta, PKA C-Beta, EC 2.7.11.11, PKACB, CAMP-Dependent Protein Kinase Catalytic Beta Subunit Isoform 4ab, CAMP-Dependent Protein Kinase Catalytic Subunit Beta, Protein Kinase A Catalytic Subunit Beta, EC 2.7.11, PRKA
Description	PRKACB Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 421 amino acids (1-398) and having a molecular mass of 48.6kDa. PRKACB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P22694
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAYREP PCNQYTGTTT ALQKLEGFAS RLFHRHSKGT AHDQKTALEN DSLHFSEHTA LWDRSMKEFL AKAKEDFLKK WENPTQNNAG LEDFERKKTL GTGS-FGRVML VKHKATEQYY AMKILDKQKV VKLKQIEHTL NEKRILQAVN FPFLVRLEYA FKDNSNLYMV MEYVPGGEMF SHLRRIGRFS EPHARFYAAQ IVLTFEYLHS LDLIYRDLKP ENLLIDHQGY IQVTDFGFAK RVKGRTWTLC GTPEYLAPEI ILSKGYNKAV DWWALGVLIY EMAAGYPPFF ADQPIQIYEK IVSGKVRFPS HFSSDLKDLL RNLLQVDLTK RFGNLKNGVS DIKTHKWFAT TDWIAIYQRK VEAPFIPKFR GSGDTSNFDD YEEEDIRVSI TEKCAKEFGE F.
Source	Escherichia Coli.
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	The PRKACB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 80.0% 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