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AR00163PU-N

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cAMP-Dependent Protein Kinase

Alternate names:	PKA
Catalog No.:	AR00163PU-N
Quantity:	1000 U
Concentration:	Lot specific
Background:	<p>Protein Kinase A (PKA) is the kinase that mediates the majority of the actions of the intracellular second messenger cAMP in diverse tissues and phyla. PKA regulates a number of cellular functions including gene expression, carbohydrate metabolism, Ca²⁺ homeostasis and ion channel function and it may play a key role in memory formation (Micheau and Riedel, 1999). The purified kinase is suitable for studies of PKA phosphorylation in vitro with purified substrates or following introduction into intact cells or cell extracts (Poisbeau et al., 1999; VanRenterghem et al., 1994; Martin et al., 2004). Unlike the holoenzyme, the catalytic subunit does not require cAMP for activation.</p>
Species:	Bovine
Source:	Heart
Format:	Purity: Purified
Applications:	<p>Enzyme activity assay standard Optimal concentration should be evaluated by serial dilutions.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>