

Canine PKA/PRKACA Protein

Cat. No. PKA-DE101



Description

Source	Recombinant Canine PKA/PRKACA Protein is expressed from E.coli with His tag at the N-Terminus. It contains Gly2-Phe350.
Accession	NP_001003032.1
Molecular Weight	The protein has a predicted MW of 41.51 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by SEC-HPLC

Formulation and Storage

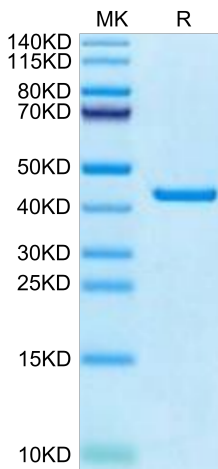
Formulation	Supplied as 0.22µm filtered solution in PBS, 200mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The cAMP-dependent protein kinase PKA is a well-characterized member of the serine-threonine protein AGC kinase family and is the effector kinase of cAMP signaling. As such, PKA is involved in the control of a wide variety of cellular processes including metabolism, cell growth, gene expression and apoptosis. cAMP-dependent PKA signaling pathways play important roles during infection and virulence of various pathogens. Since fluxes in cAMP are involved in multiple intracellular functions, a variety of different pathological infectious processes can be affected by PKA signaling pathways.

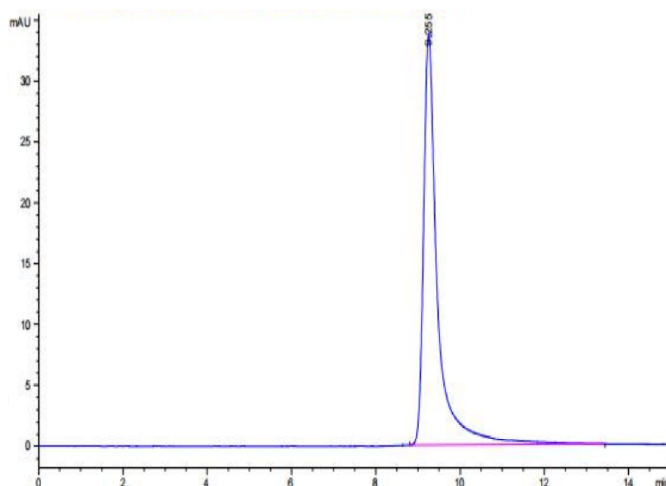
Assay Data

Tris-Bis PAGE



Canine PKA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Canine PKA is greater than 95% as determined by SEC-HPLC.