

Datasheet for ABIN7275452

**PKA Protein (AA 2-350) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PKA
Protein Characteristics:	AA 2-350
Origin:	Dog
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKA protein is labelled with His tag.

## Product Details

Purpose:	Canine PKA/PRKACA Protein
Sequence:	Gly2-Phe350
Characteristics:	Recombinant Canine PKA/PRKACA Protein is expressed from E.coli with His tag at the N-Terminus.It contains Gly2-Phe350.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by SEC-HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	PKA
Alternative Name:	PKA ( <a href="#">PKA Products</a> )

## Target Details

**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.

**Molecular Weight:** 41.51 kDa same as Tris-Bis PAGE result.

**NCBI Accession:** [NP\\_001003032](#)

**Pathways:** [SARS-CoV-2 Protein Interactome](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

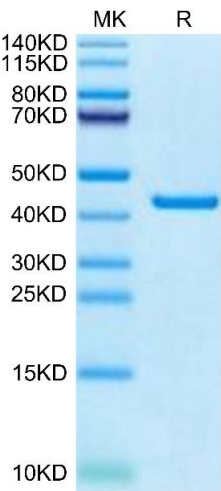
**Format:** Liquid

**Buffer:** Supplied as 0.22µm filtered solution in PBS, 200 mM NaCl ( pH 7.4).

**Storage:** -80 °C

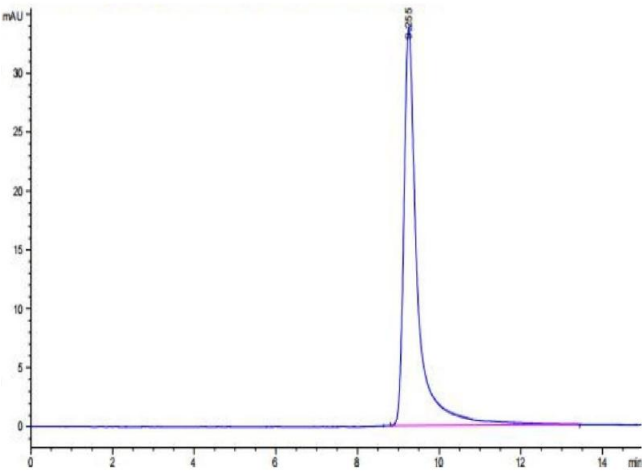
**Storage Comment:** Valid for 12 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



SDS-PAGE

**Image 1.** Canine PKA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Canine PKA is greater than 95 % as determined by SEC-HPLC.