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Recombinant Canine cAMP-Dependent Protein Kinase Catalytic Subunit Alpha (PRKACA), N-His

Cat. No.: AP2C274

Product Type: Animal Proteins

Size: 20 μg; 100 μg; 1 mg

Product Overview

BioVenic's Recombinant Canine cAMP-Dependent Protein Kinase Catalytic Subunit Alpha (PRKACA), N-His is a recombinant prote in expressed from *E.coli*. Its predicted molecular weight is 43.2 kDa. The purity is>85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	*E.coli*
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	43.2 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 5%-50% glycerol.

Target Information

In canines, cAMP-dependent protein kinase catalytic subunit alpha (PKA-Cα) is a key serine/threonine kinase involved in cellular si gnaling. It phosphorylates target proteins to regulate metabolism, gene expression, and signal transduction. In research, PKA-Cα is used to study enzyme mechanisms and develop therapeutic strategies for diseases associated with PKA dysregulation.

Protein	Canine cAMP-Dependent Protein Kinase Catalytic Subunit Alpha
Protein Synonym	PKA C-alpha
Gene ID	403556
UniProt ID	Q8MJ44

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.