

Recombinant Canine Apoptosis Regulator Bcl-2 (BCL2)

Cat. No.: AP2C269

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Canine Apoptosis Regulator Bcl-2 (BCL2) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 26.5 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	26.5 kDa
Physical State	Lyophilized
Formulation	PBS with 5% Trehalose and 5% Mannitol.

Target Information

In veterinary medicine, Bcl-2 (BCL2) is a key apoptosis regulator that belongs to the Bcl-2 protein family, controlling apoptosis by regulating the integrity of the mitochondrial outer membrane. Bcl-2 plays a crucial role in cell survival by interacting with pro-apoptotic proteins such as BAX, thereby inhibiting apoptosis. In canine diseases, Bcl-2 expression is associated with various pathological processes. For example, high Bcl-2 levels in certain canine tumors are linked to increased cell proliferation and resistance to apoptosis. Additionally, the Bcl-2/BAX ratio can be used to detect early apoptosis in canine granulosa cells. Thus, Bcl-2 is valuable for studying and diagnosing canine diseases.

Protein	Canine Apoptosis Regulator Bcl-2 (BCL2)
Protein Synonym	Apoptosis regulator Bcl-2
Gene ID	403416
UniProt ID	Q6R755

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.