

Recombinant Canine Interferon Gamma (IFNG), N-His

Cat. No.: AP9F72

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Canine Interferon Gamma (IFNG), N-His is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 16.8 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E. coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	16.8 kDa
Physical State	Lyophilized
Formulation	10 mM Hepes, 500 mM NaCl with 5% trehalose, pH 7.4.

Target Information

Interferon gamma, encoded by the *IFNG* gene in dogs, is the sole member of IFN Type II. This cytokine plays a crucial role in regulating the immune response of its target cells through cell signaling. One of the primary signaling pathways activated by Type II IFN is the JAK-STAT pathway.

Protein	Canine Interferon Gamma (IFNG)
Protein Synonym	interferon gamma, IFN-G, IFN-gamma, interferon gamma
Gene ID	403801
UniProt ID	P42161

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store at -20°C or -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water or other buffer to a concentration of 0.1-1 mg/mL. Aliquote the reconstituted solution to minimise 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.