

Recombinant Bovine Interferon Gamma (IFNG), N-terminal 6xHis-tagged

Cat. No.: AP9C184

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Bovine Interferon Gamma (IFNG), N-terminal 6xHis-tagged is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 21 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E. coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	21 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Bovine Interferon gamma (IFN-γ) is a potent immune modulator that plays a critical role in the immune response against intracellular pathogens. It activates macrophages, enhances antigen presentation, and promotes the differentiation of T cells into Th1 cells. IFN-γ is vital for cell-mediated immunity and helps in controlling infections in cattle.

Protein	Bovine Interferon Gamma (IFNG)
Gene ID	281237
UniProt ID	P07353

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water to a concentration of 0.1-1.0 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.