

Recombinant Chicken Interferon Alpha (IFNa), N-His-GST

Cat. No.: AP7F240

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Chicken Interferon Alpha (IFNa), N-His-GST is a recombinant protein expressed from *E.coli* expression system. Its predicted molecular weight is 47.0 kDa. The purity is >97% (SDS-PAGE). The endotoxin level is <1 EU/µg (LAL). It can be used as a positive control or as an immunogen.

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>97% (SDS-PAGE)
Endotoxin	<1 EU/µg (LAL)
Predicted Molecular Weight	47.0 kDa
Molecular Weight	50 kDa
Physical State	Lyophilized
Formulation	PBS, pH 7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Interferon alpha is encoded by the chicken *IFNA* gene. It is a member of the type I IFNs, which are important antiviral cytokines of the innate immune system. It shares analogous biological and biochemical properties with mammalian interferon alpha.

Protein	Chicken Interferon Alpha (IFNa)
Protein Synonym	IFNα1; IFL; LeIF D; IFN; IFN-Alpha; IFNα13; IFN-A; IFNαP22; IFN-Alpha 1b; Interferon on Alpha 1b; Interferon, Leukocytic; IFN, Leukocyte; Interferon alpha-D
Gene ID	100857403

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

Reference

Qu, H. *et al.* The differential antiviral activities of chicken interferon α (ChIFN- α) and ChIFN- β are related to distinct interferon-stimulated gene expression. *PloS one*. 2013, 8: e59307.

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.