

Recombinant Equine Interleukin-12 Subunit Alpha (IL12A), N-His

Cat. No.: AP9C676

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Equine Interleukin-12 Subunit Alpha (IL12A), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is N/A. The purity is >97% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Equine
Expression System	<i>E.coli</i>
Purity	>97% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	N/A
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Equine Interleukin-12A (IL-12A) is a subunit of the IL-12 cytokine, which is composed of IL-12A (p35) and IL-12B (p40) subunits. IL-12A is involved in the binding of the IL-12 beta subunit and contributes to cytokine activity. It plays a significant role in the immune response, particularly in the regulation of T cell proliferation and the activation of T-helper 1 (Th1) cells, which are crucial for cell-mediated immunity. IL-12A is also involved in the defense response to protozoan and the positive regulation of type II interferon production.

Protein	Equine Interleukin-12 Subunit Alpha (IL12A)
Protein Synonym	p35; IL12-A; CLMF1; NFSK; NKSF1; Natural Killer Cell Stimulatory Factor 1; Cytotoxic Lymphocyte Maturation Factor 1; NF Cell Stimulatory Factor Chain 1
Gene ID	100034215
UniProt ID	F6SRN5

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot 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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot 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.