

Recombinant Goat Interleukin Family Protein (IL-10), N-His

Cat. No.: AP1C166

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Goat Interleukin Family Protein (IL-10), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 22.1 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Goat
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	22.1 kDa
Molecular Weight	20.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Goat interleukin family protein IL-10 (IL-10) is a potent anti-inflammatory cytokine that plays a significant role in immune regulation and inflammation control in goats. It is primarily secreted by antigen-presenting cells such as activated T cells, monocytes, B cells, and macrophages. IL-10 downregulates the expression of inflammatory cytokines like TNF-α, IL-6, and IL-1 in macrophages, thereby inhibiting inflammation. This protein also enhances B cell survival, proliferation, and antibody secretion, and it can block NF-κB activity, participating in the JAK-STAT signaling pathway. IL-10 is essential for maintaining immune homeostasis and has potential clinical applications in suppressing rejection after organ transplantation and treating inflammatory diseases.

Protein	Goat Interleukin Family Protein (IL-10)
Protein Synonym	CSIF; IL10A; TGIF; Cytokine Synthesis Inhibitory Factor
Gene ID	100860746

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.

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. 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.