

Recombinant Chicken Leukemia Inhibitory Factor (LIF)

Cat. No.: AP9C623

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Chicken Leukemia Inhibitory Factor (LIF) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 23.5 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	23.5 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.

Target Information

Chicken leukemia inhibitory factor (LIF) is a pleiotropic cytokine that belongs to the interleukin-6 (IL-6) family of signaling molecules. LIF plays a pivotal role in the regulation of various physiological processes in chickens, including embryonic development, immune response, and hematopoiesis. It is particularly influential in the maintenance of stem cell pluripotency and the differentiation of neuronal and muscle cells. LIF exerts its effects by binding to a specific receptor complex, activating intracellular signaling pathways that are essential for cell survival, growth, and function in avian species.

Protein	Chicken Leukemia Inhibitory Factor (LIF)
Gene ID	427718
UniProt ID	A0A8V0X6M3

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.