

Recombinant Canine Leukemia Inhibitory Factor (LIF)

Cat. No.: AP1C35

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Canine Leukemia Inhibitory Factor (LIF) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 23.8 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	23.8 kDa
Molecular Weight	22.6 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

Canine leukemia inhibitory factor (LIF) is a pleiotropic cytokine that belongs to the interleukin-6 family. It plays a significant role in various biological processes, including immune responses, inflammation, and the regulation of cell growth and differentiation. LIF is involved in the development of several malignancies, where its high expression can enhance tumor cell invasion and migration, and reduce the sensitivity to chemotherapy and radiotherapy, leading to poor prognosis in patients. It is also considered a potential target for cancer therapy.

Protein	Canine Leukemia Inhibitory Factor (LIF)
Protein Synonym	CDF; D-FACTOR; HILDA; MLPLI; Cholinergic Differentiation Factor; Differentiation-Stimulating Factor; Melanoma-Derived LPL Inhibitor; Emfilermin
Gene ID	403449

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.