

Recombinant Rabbit Interleukin-7 (IL7), N-His

Cat. No.: AP4C480

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Rabbit Interleukin-7 (IL7), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 19.4 kDa. The purity is > 97%.

Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	<i>E.coli</i>
Purity	> 97%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	19.4 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Target Information

Rabbit Interleukin-7 (IL-7) is a cytokine that plays a crucial role in the development and function of the immune system. It is essential for B cell development and is a key regulator of T cell development and peripheral T cell homeostasis. In rabbits, IL-7 is involved in stimulating the proliferation of lymphoid progenitors and is important for the proliferation of B cells during certain stages of maturation. Additionally, IL-7 has been shown to enhance the antiviral function and expansion of natural killer (NK) cells and regulate the development and differentiation of dendritic cells. These functions highlight IL-7's importance in maintaining immune system integrity and supporting immune responses.

Protein	Rabbit Interleukin-7 (IL7)
Protein Synonym	IL-7
Gene ID	100345409
EC No.	A0A5F9CXH6

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 20 mM Tris, 150 mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize 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.