

Recombinant Rabbit Interleukin-4, N-His

Cat. No.: AP4C411

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Rabbit Interleukin-4, N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 15.2 kDa. The purity is > 90%.

Specifications

Type	Recombinant Protein
Species	Oryctolagus cuniculus (Rabbit)
Expression System	<i>E.coli</i>
Purity	> 90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	15.2 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.05% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Rabbit Interleukin-4 (IL4) is a multifunctional cytokine primarily produced by activated T helper 2 (Th2) cells, NKT cells, and mast cells. It plays a crucial role in promoting the differentiation of Th2 cells, which are essential for combating extracellular parasites and contributing to allergic responses. IL4 also induces the differentiation of M2 macrophages, which are involved in tissue repair and controlling infections by certain protozoa. Additionally, IL4 acts as a growth factor for B cells, promoting their proliferation and the production of immunoglobulins such as IgE and IgG1. It has been shown to have anti-inflammatory effects by inducing alternative macrophage activation and regulating immune responses. In rabbits, IL4 has potential applications in modulating immune responses and treating conditions related to Th2 immune reactions.

Protein	Rabbit Interleukin-4
Protein Synonym	B-cell stimulatory factor 1; Lymphocyte stimulatory factor 1
Gene ID	100302454
EC No.	G1U6T7

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 10 mM PBS (pH7.4) 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.