

Recombinant Bovine Interleukin 15 (IL15), N-His

Cat. No.: AP7F133

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Bovine Interleukin 15 (IL15), N-His is a recombinant protein expressed from *E.coli* expression system. Its predicted molecular weight is 14.5 kDa. The purity is greater than 90% (SDS-PAGE). The endotoxin level is <1 EU/µg (LAL). It can be used as a positive control or as an immunogen.

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Endotoxin	<1 EU/µg (LAL)
Predicted Molecular Weight	14.5 kDa
Molecular Weight	15 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Interleukin 15 is encoded by the *IL15* gene in cattle. It is a cytokine that plays a major role in the development of inflammatory and protective immune responses to microbial invaders and parasites by modulating immune cells of both the innate and adaptive immune systems. It is a critical factor for the development and proliferation of CD8+ memory T cells.

Protein	Bovine Interleukin 15 (IL15)
Protein Synonym	interleukin 15; interleukin-15; IL-15
Gene ID	281248
UniProt ID	Q28028

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

Reference

Vijay, N. *et al.* Expression of bovine interleukin 15 and evaluation of its biological activity *in vitro*. *Veterinary world*. 2015, 8: 295-300.

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.