

## Recombinant Bovine Interleukin-16 (IL16)

Cat. No.: AP9C342

Product Type: Animal Proteins

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

### Product Overview

BioVenic's Recombinant Bovine Interleukin-16 (IL16) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 16.6 kDa. The purity is >95% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	16.6 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

Bovine interleukin 16 (IL16) is a multifaceted cytokine that plays a significant role in the immune system of cattle. It is primarily involved in the recruitment and activation of CD4+ T cells at the site of inflammation, making it a pro-inflammatory cytokine. IL16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils, and primes CD4+ T-cells for IL-2 and IL-15 responsiveness. It also induces T-lymphocyte expression of the interleukin 2 receptor. Interestingly, IL16 uses the CD4 molecule as its receptor, which is distinct from other cytokines that have unique receptors.

Protein	Bovine Interleukin-16 (IL16)
Protein Synonym	LCF; PrIL-16; Lymphocyte Chemoattractant Factor; Pro-Interleukin 16
Gene ID	<a href="#">506314</a>
UniProt ID	<a href="#">Q0V8R5</a>

## Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot 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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot 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.