

Recombinant Bovine Interleukin-1 Beta (IL1B), N-His

Cat. No.: AP9F18

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Bovine Interleukin-1 Beta (IL1B), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 17.7 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	17.7 kDa
Physical State	Lyophilized
Formulation	10 mM Hepes, 500 mM NaCl with 5% trehalose, pH 7.4.

Target Information

Interleukin 1 beta is encoded by the *IL1B* gene in cattle. Research has shown that IL1B triggers inflammatory cytokine production in bovine oviduct epithelial cells and induces neutrophil accumulation via CCL2.

Protein	Bovine Interleukin-1 Beta (IL1B)
Protein Synonym	interleukin 1 beta, interleukin-1 beta, IL-1 beta
Gene ID	281251
UniProt ID	P09428

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store at -20°C or -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in sterile distilled water or other buffer to a concentration of 0.1-1 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.