

## Recombinant Equine Interleukin-1 Beta (IL1B)

Cat. No.: AP7F563

Product Type: Animal Proteins

Size: 10 µg; 1 mg

### Product Overview

BioVenic's Recombinant Equine Interleukin-1 Beta (IL1B) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 17.3 kDa. The purity is >95% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Equine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Predicted Molecular Weight	17.3 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4.

### Target Information

Interleukin-1 beta is encoded by the *IL1B* gene in horses. This potent pro-inflammatory cytokine was first identified as a major endogenous pyrogen. It induces prostaglandin synthesis, promotes neutrophil influx and activation, and stimulates T-cell activation and cytokine production. Additionally, it activates B-cells and enhances antibody production, as well as promotes fibroblast proliferation and collagen production.

Protein	Equine Interleukin-1 Beta (IL1B)
Protein Synonym	Interleukin-1 beta; IL1B; IL-1 beta
Gene ID	<a href="#">100034237</a>
UniProt ID	<a href="#">Q28386</a>

### Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store at 4°C or -20°C.

## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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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.