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# Certificate of Analysis and Data Sheet

## Recombinant Human Interleukin-1 beta, His6 Tagged

**Catalog No.**

228-10851

**Source:**

*Escherichia Coli.*

**Synonyms**

Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL1F2, IL-1 beta.

**Introduction**

Interleukin-1 $\beta$  is a potent pro-inflammatory cytokine produced by a wide variety of cell types including monocytes and macrophages. It displays a broad range of biological activity including activation of B and T cells in response to inflammation and the activation of endothelial cells.

**Description**

Interleukin-1 beta His-Tag  $\beta$  Human Recombinant produced in *E.Coli* is a single, non-glycosylated, Polypeptide chain containing 153 amino acids fragment (117-269) and having a total molecular mass of 21.88 kDa with an amino-terminal hexahistidine tag.

The IL-1 $\beta$  His is purified by proprietary chromatographic techniques.

**Physical Appearance**

Sterile Filtered clear solution.

**Formulation**

IL-1 $\beta$  His is supplied in 1x PBS and 50% glycerol.

**Purity**

Greater than 95.0% as determined by

(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE Coomassie staining.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

**DO NOT FREEZE.**

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**