



## Product Datasheet

<b>Product Name</b>	Interleukin-1 beta Human Recombinant, His Tag
<b>Cata No</b>	CB500382
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL1F2, IL-1 beta.

### Description

Interleukin-1b 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.

Interleukin-1 beta Human Recombinant produced in E.Coli is a single, non-glycosylated, His-Tag 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-1b His is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered clear solution.

### Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE

### Formulation

IL-1b His is supplied in 1x PBS and 50% glycerol.

### 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.

**Please avoid freeze thaw cycles.**