

## Interleukin-1 beta

### Product Data Sheet

<b>Type:</b> Recombinant	<b>Cat. No.:</b>	
<b>Source:</b> E. coli	RP1764800005	(5 µg)
<b>Species:</b> Human	RP1764800020	(20 µg)
<b>Other names:</b> IL-1β, Catabolin	RP1764801000	(1 mg)

### Description

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.

### Introduction to the Molecule

IL-1β is expressed by a variety of cells including macrophages, monocytes, platelets and neutrophils. IL-1β is a potent immunomodulator, mediating a wide range of immune and inflammatory responses including the activation of B and T cells.

### Research topic

Cytokines and chemokines and related molecules, Oncology

### Source

E. coli

### 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.

### Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

### Storage, Stability/Shelf Life

- 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.

### Physical Appearance

Sterile Filtered clear solution.

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