

Recombinant Human Interleukin 1, Beta, His-tagged

Cat. No. IL1B-134H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interleukin-1 beta produced in <i>E. Coli</i> is a single, non-glycosylated, Polypeptide chain containing 153 amino acids fragment (117-269) and having an amino-terminal hexahistidine tag. The IL-1b His is purified by proprietary chromatographic techniques
Species	Human
Source	E.coli
Protein Length	117-269 a.a.
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.
Physical Appearance	Sterile Filtered clear solution.
Formulation	IL-1b 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.
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.

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GENE INFORMATION

Gene Name	IL1B interleukin 1, beta [Homo sapiens]
Synonyms	IL1B; interleukin 1, beta; IL-1; IL1F2; IL1-BETA; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta; IL-1B;IL-1 beta; Interleukin-1 beta; IL1F2
Gene ID	3553
mRNA Refseq	NM_000576
Protein Refseq	NP_000567
MIM	147720
UniProt ID	P01584
Chromosome Location	2q14
Pathway	Alzheimer"s disease; Cytokine-cytokine receptor interaction; Graft-versus-host disease; Hematopoietic cell; lineage; MAPK signaling pathway; Prion diseases; Toll-like receptor signaling pathway; Type I diabetes mellitus; Apoptosis
Function	cytokine activity; growth factor activity; interleukin-1 receptor binding; protein domain specific binding

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