

Active Recombinant Human IL1B Protein

Cat. No. IL1B-364H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL1B Protein is produced by Human Cells expression system. Structure: Glycosylated monomer.
Species	Human
Source	Human Cells
Description	IL-1 includes two pleiotropic cytokines, IL-1 α and IL-1 β . Both IL-1 α and IL-1 β bind to the same receptor and have similar, if not identical, biological properties. IL-1 β is a proinflammatory cytokine produced in a variety of cells, including monocytes, tissue macrophages, keratinocytes, and other epithelial cells. These cytokines have a broad range of activities including the stimulation of thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity.
Form	Lyophilized from a 0.2 μ m filtered solution in PBS without carrier protein
Bio-activity	The activity was measured by its ability to stimulate the proliferation of the proliferation of mouse D10S cells.
Molecular Mass	18-25 kDa
Endotoxin	<0.5EU/ug
Purity	>95% by SDS-PAGE

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

Reconstitution Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

GENE INFORMATION

Gene Name [IL1B interleukin 1, beta \[Homo sapiens \]](#)

Official Symbol [IL1B](#)

Synonyms [IL1B](#); [IL 1B](#); [IL1 BETA](#); [IL1F2](#); [IL-1 beta](#); [catabolin](#); [IL-1](#); [IL1-BETA](#);

Gene ID [3553](#)

mRNA Refseq [NM_000576](#)

Protein Refseq [NP_000567](#)

MIM [147720](#)

UniProt ID [P01584](#)

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