

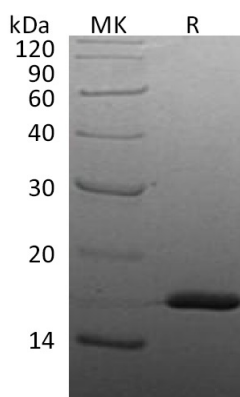
重组人白介素1

IL-1 β , Human; Recombinant Human Interleukin-1 beta

Cat. No.: MB5950-1 Size: 10 μ g

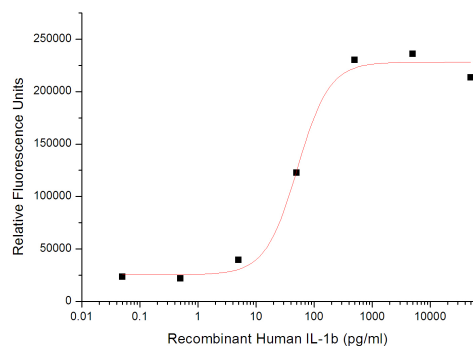
Source:	E.coli
Description:	Recombinant Human Interleukin-1 Beta is produced by our E.coli expression system and the target gene encoding Ala117-Ser269 is expressed.
Accession:	P01584
Known As:	Interleukin-1 beta; Catabolin; IL1F2; IL1B
Predicted Mol Mass:	17.5 KDa
Apparent Mol Mass:	17 KDa, reducing conditions
Endotoxin:	< 0.01 EU/ μ g as determined by LAL test.
Formulation:	Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150 mM NaCl, 3% Trehalose, 0.02% Tween 80, 4% Mannitol, pH 7.4.
Reconstitution:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage:	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Background:	IL1B belongs to the IL-1 family. Interleukin 1 (IL-1) is a family of polypeptide cytokines consisting of two agonists, IL-1 alpha (IL-1F1) and IL-1 beta (IL-1F2) encoded by two distinct genes and perform identical biological functions. IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response. It is identified as endogenous pyrogens, and is reported to stimulate the release of prostaglandin and collagenase from synovial cells.
Purity-SDS-PAGE:	





Greater than 95% as determined by reducing SDS-PAGE.

Bioactivity-Cell Based Assay:



Measured by its ability to induce NF- κ B signaling in 293-IL1 Res cells. The ED50 for this effect is 20-100 pg/ml.

