


Human IL-1 β protein

Cat #: PRP1019

Size: 5 μ g/20 μ g/100 μ g/1 mg

Product Information

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|---|---|------------|---|
| | Product Name: Human IL-1 β protein | | |
| REF | Catalog Number: PRP1019 | LOT | Lot Number: Refer to product label |
| | Purity: >98 % as determined by SDS-PAGE | | |
|  | Storage: Store at -20°C | | Preparation method: <i>E.Coli</i> |
| | Shipping: The product is shipped at ambient temperature. | | |

Background: Interleukin-1 beta (IL-1 β) also known as catabolin, is a member of the interleukin 1 cytokine family. IL-1 β is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). IL-1 β is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by Interleukin-1 β in the central nervous system (CNS). IL-1 β gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

Sequence: Amino acid sequence derived from human IL-1 β (NP_000567.1) (Ala 117-Ser 269) was expressed.

Protein length: The recombinant human IL-1 β consists of 154 amino acids and has a predicted molecular mass of 17 kDa.

Biological Activity: Immobilized human IL-1 β at 5 μ g/mL (100 μ l/well) can bind Human IL-1R1 with a linear range of 3.125 - 200 ng/mL.

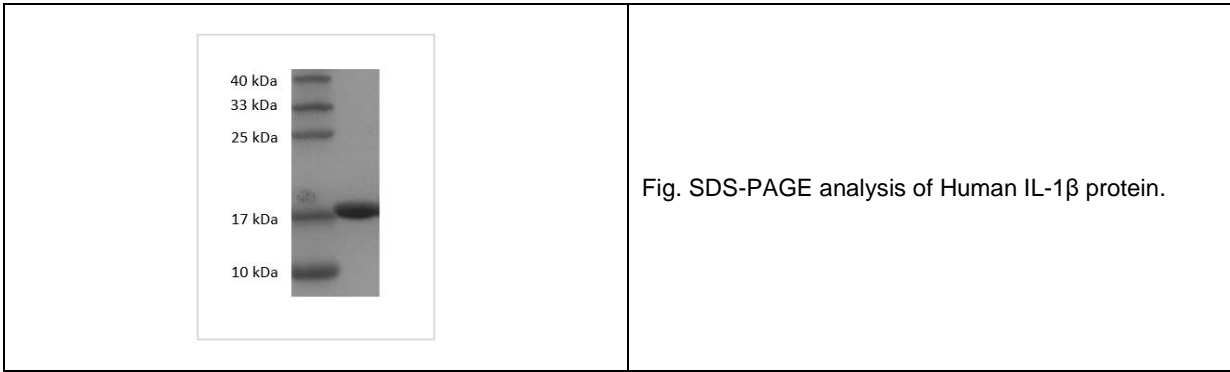
Endotoxin: < 0.01 EU per μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Human IL-1 β protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human IL-1 β protein

using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.