

Recombinant Human IL-1 β Protein

Catalog Number:PDMH100025



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms IL-1 alpha;Hematopoietin-1;IL1A;IL1F1;Interleukin-1 alpha;IL1a

Species Human

Expression Host HEK293 Cells

Sequence Met1-Ala271

Accession P01583

Calculated Molecular Weight 30.6 kDa

Observed molecular weight 35 kDa

Tag C-His

Properties

Purity > 90 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per μ g of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4., 5% trehalose, 5% mannitol, 0.01% tween-80. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Please refer to the specific buffer information in the print

Reconstitution Please refer to the printed manual for detailed information.

Background

Produced by activated macrophages, 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, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.

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