
Human IL-1 alpha Recombinant Protein

Catalog Number: 14-8019

Also known as: Interleukin-1 alpha, IL1a

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Human IL-1 alpha Recombinant Protein



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Handling Conditions: For best recovery, quick-spin vial prior to opening. Use in a sterile environment

Source: E. coli expressed amino acids Ser113-Ala271, accession number NM_000575

Purity: > 98%, as determined by SDS-PAGE

Endotoxin: Less than 0.01 ng/ug cytokine as determined by the LAL assay.

Bioactivity: The ED50 of this protein, as measured by mouse D10S cell proliferation assay, is 20-30 pg/mL, corresponding to a specific activity of 5.0×10^7 - 3.3×10^7 Units/mg.

Formulation: Sterile liquid; 20 mM Tris, 0.3 M NaCl, 1 mM TCEP, 5% Glycerol with 1% BSA, pH 8.0



Temperature Limitation: Store at less than or equal to -70°C.



Batch Code: Refer to vial



Use By: Refer to vial

Description

Human IL-1 α , also called lymphocyte activating factor (LAF), endogenous pyrogen (EP), leucocyte endogenous mediator (LEM), and mononuclear cell factor (MCF), is produced by a wide variety of cells, including macrophages, dendritic cells, T cells and B cells. IL-1 α is mostly cell associated and has only 20% amino acid homology with IL-1 β . The immune regulatory role of IL-1 α is exerted on a wide range of cells including lymphocytes, epithelial cells and fibroblasts. *In vivo*, it induces hypotension, fever, and acute phase response.

Applications Reported

Human IL-1 alpha Recombinant Protein is biologically active.

Applications Tested

The ED₅₀ of this protein, as measured by mouse D10S cell proliferation assay, is 20-30 pg/ml, corresponding to a specific activity of 5.0×10^7 - 3.3×10^7 Units/mg.

Related Products

11-7019 Anti-Human IL-1 alpha FITC (CRM8)

13-7017 Anti-Human IL-1 alpha Biotin (CRM6)

14-7019 Anti-Human IL-1 alpha Purified (CRM8)

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