9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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IL1A Human, His Active

Interleukin-1 alpha Human Recombinant, His Tag Active
CYK0397

Product Overview

Name	IL1A Human, His Active

Description

Interleukin-1 alpha Human Recombinant, His Tag Active

Accession (Primary)	P01583

Synonyms

Interleukin-1 alpha, IL-1 alpha, Hematopoietin-1, Interleukin-1 alpha: Interleukin-1a, IL-1a, Interleukin-1 alpha, IL1A, interleukin 1 alpha, IL1F1, IL-1A, preinterleukin 1 alpha, pro-interleukin-1-alpha.

Introduction

IL-1 alpha is derived fromactivated macrophages. IL1A proteins take part in the inflammatory response, being identified as endogenous pyrogens, and stimulate the release of prostaglandin and collagenase from synovial cells.IL-1 alpha stimulates thymocyte proliferation by inducing il-2 release, b-cell maturation and proliferation, and fibroblast growth factor activity.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

IL1A protein solution (1mg/ml) contains 20mM Tris-HCl (pH 7.5) and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHM SA PFSFLSNVKY NFMRIIKYEF ILNDALNQSI IRANDQYLTA AALHNLDEAV KFDMGAYKSS KDDAKITVIL RISKTQLYVT AQDEDQPVLL KEMPEIPKTI TGSETNLLFF WETHGTKNYF TSVAHPNLFI ATKQDYWVCL AGGPPSITDF QILENQA.

Biological Activity

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Measured in a cell proliferation assay using D10.G4.1 mouse helper T cell. The ED50 for this effect is less or equal to 0.04 ng/ml.

Precautions

IL1A Human, His Active is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01583)