



Interleukin-1 alpha, His Tag, human recombinant (rHuIL-1-alpha-His)

Catalog No: 95011
Lot No: XXXXX
Source: *E. coli*
Synonyms: Hematopoietin-1, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL-1 alpha, IL1, IL-1A, IL1F1

Background

Interleukin-1 alpha is a proinflammatory cytokine produced by a wide variety of cell types, including macrophages, osteoblasts, monocytes and hepatocytes. Circulating levels of are normally low and only rise after stimulation by agents such as those produced by inflammation, infection or microbial endotoxins. IL-1 alpha possesses a wide variety of biological activities and exerts its effects by binding to specific cell surface receptors.

Description

Interleukin-1 alpha human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 159 amino acids (113-271) with an N-terminal hexahistidine tag and having a total molecular mass of 22.5 kDa. The protein is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered clear solution.

Formulation

IL-1 alpha His-tag protein (0.42 mg/ml) is supplied in 20 mM Tris-HCl, pH 8.0 and 50% 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. Please avoid freeze thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.