



Product Datasheet

Product Name	Interleukin-1 alpha Human Recombinant, His Tag
Cata No	CB500381
Source	<i>Escherichia Coli.</i>
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.

Description

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. IL-1A Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 159 amino acids fragment (113-271) with an amino-terminal hexahistidine tag and having a total molecular mass of 22.5kDa. The Interleukin-1 alpha His-tag is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Purity

Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE

Formulation

IL-1 alpha His-tag protein is supplied in 1x PBS 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.