9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL 1 alpha Rat

Interleukin-1 alpha Rat Recombinant
CYK0225

Product Overview

Name	IL 1 alpha Rat
Description	
Interleukin-1 alpha Rat Recombinant	
Accession (Primary)	P16598
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.	
Introduction	
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 byinflammation, 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing 50mM Tris-HCl, pH=8.	
Stability	
Lyophilized Interleukin-1a although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL1A should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-His-Ser-Phe.	
Biological Activity	
The ED50 as determined by the dose-dependant stimulation of murine D10S cells is < 0.005 ng/ml, corresponding to a	

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Specific Activity of 200,000,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized Interleukin 1a in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 1 alpha Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P16598)