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

IL1A Human, HEK

Interleukin-1 alpha Human Recombinant, HEK
CYK0396

Product Overview

Name	IL1A Human, HEK
Description	
Interleukin-1 alpha Human Recombinant, HEK	
Accession (Primary)	P01583
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	
IL-1 alpha is produced by activated macrophages, stimulates thymocyte proliferation by inducing il-2 release, b-cell maturation and proliferation, and fibroblast growth factor activity. IL1A proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.	
Source	
HEK.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The IL-1A protein was lyophilized from a 0.2 μm filtered solution of PBS pH 7.4 with 10% trehalose as protectant.	
Stability	
Lyophilized IL-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 97.0% as determined by SDS-PAGE.	
Biological Activity	
Assay # 1: The biological activity was measured by its binding ability in a functional ELISA, the ED50 is typically 0.5-5 μg/ml. Assay # 2: The biological activity was determined by the dose-dependent stimulation of the proliferation of mouse D10S cells, the ED50 is typically less than 1pg/ml, corresponding to a specific activity of >1x10 9 unit/mg.	

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

Solubility

It is recommended to reconstitute the lyophilized IL1A in deionized water to a stock solution of 0.5mg/ml.

Precautions

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

Target Information: (P01583)