

## Interleukin-1 alpha Human Recombinant, HEK

<b>Item Number</b>	rAP-0695
<b>Synonyms</b>	Hematopoietin-1, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL-1 alpha, IL1, IL-1A, IL1F1.
<b>Description</b>	Interleukin-1 alpha Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight of 18kDa due to glycosylation. The IL1A is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P01583
<b>Amino Acid Sequence</b>	
<b>Source</b>	HEK.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	The IL-1A protein was lyophilized from a 0.2µm filtered solution of PBS pH 7.4 with 10% trehalose as protectant. Greater than 97.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized IL1A in deionized water to a stock solution of 0.5mg/ml.
<b>Biological Activity</b>	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
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**