

IL 1 alpha Human

Recombinant Human Interleukin-1 alpha

Catalog Number: C60431
Issuance Date: 8 June 2018

Overview

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 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 159 amino acids and having a molecular mass of 18022 Dalton. The IL-1A is purified by proprietary chromatographic techniques.
Source	E.coli

Properties

Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing 25mM Tris-HCl, pH 8.
Available	Hematopoietin-1, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte
Conjugates	Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL-1 alpha, IL1, IL-1A, IL1F1.
Amino acid sequence	SAPFSFLSNVKYNFMRIIKYEFILNDALNQSIIIRANDQYLTAALHNLDEAV KFDMGAYKSSKDDAKITVILRISKTKLVVTAQDEDQPVLLKEMPEIPKTITG SETNLLFFWETHGKTYFTSVAHPNLFIAKQDYWVCLAGGPPSITDFQILE NQA.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of murine D10S cells is < 0.001 ng/ml, corresponding to a Specific Activity of 1 x 10 ⁹ IU/mg.

Storage

Solubility	It is recommended to reconstitute the lyophilized Interleukin 1 alpha in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.
Stability	Lyophilized Interleukin-1 alpha although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-1a should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.