ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Interleukin-1 alpha Porcine Recombinant

Item Number	rAP-0581
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-1A Porice Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 158 amino acids and having a molecular mass of 18076 Dalton. The IL-1A is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P18430
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Ala-Thr-Tyr-Ser.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-1 alpha 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.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) sterile solution containing no additives. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Interleukin-1 alpha in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependant stimulation of D10S cells is < 0.03 ng/ml.
Shipping Format and Condition	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