IL-1α (human), (recombinant)

Interleukin-1α (IL-1α) is a protein of the interleukin-1 family. In general, Interleukin 1 is responsible for the production of inflammation, as well as the promotion of fever and sepsis. IL-1α inhibitors are being developed to interrupt those processes and treat diseases.

Ordering Information

Order Online »

ENZ-PRT186-0010	10µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Handling	Centrifuge vial before opening. Do not vortex. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -20°C to -80°C. Avoid freeze/thaw cycles.
Short Term Storage	-20°C
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Interleukin-1α, Hematopoietin-1, Lymphocyte-activating factor, LAF, Endogenous pyrogen, Leukocyte endogenous mediator, LEM, Mononuclear cell factor, MCF, IL-1F1
Biological Activity	Stimulates the proliferation of mouse D10S cells.
Formulation	Lyophilized from 10mM Sodium Phosphate pH 8.0, containing 50mM NaCl.
MW	~18.0 kDa
Purity	≥98% (SDS & HPLC)
Purity Detail	Sterile filtered through a 0.2 micron filter.
Reconstitution	Reconstitute in water to a concentration of 0.1 – 1.0 mg/mL.
Source	Produced in *E. coli*.
Specific Activity	1×10^{9} units/mg. Determined by the ability of IL-1α to stimulate the proliferation of mouse D10S cells. The expected ED_{50} is typically ≤0.001 ng/mL.
UniProt ID	P01583

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