

Recombinant Rat Interleukin-1 α (IL-1 α)

CATALOG #:	4127-10	10 μ g
	4127-1000	1 mg
LOT #:	_____	
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per μ g of IL-1 α .	
MOL. WEIGHT:	17.7 kDa	
FORMULATION:	Sterile filtered and lyophilized from 1 mM Tris buffer, pH 8.0	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use.

STORAGE CONDITIONS:

The lyophilized IL-1 α is best-stored desiccated below 0°C. Reconstituted IL-1 α should be stored at working aliquots at -20°C.

DESCRIPTION:

Interleukin-1 alpha (IL-1 α) is a potent immuno-modulator that mediates a wide range of immune and inflammatory responses. Rat IL-1 α is a 17.7 kDa protein containing 155 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine D10S cells is \leq 0.005 ng/ml, corresponding to a specific activity of $>2 \times 10^9$ units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.

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