

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

CATALOG #: 4126-10 10 μ g
4126-50 50 μ g
4126-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: > 98% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per μ g of IL-1 α .

MOL. WEIGHT: 18 kDa

FORMULATION: Lyophilized after extensive dialysis against PBS

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of not less than 100 μ g/ml. which can then be diluted into other aqueous solutions.

STORAGE CONDITIONS:

The lyophilized IL-1 α is best-stored desiccated below -18 °C. Upon reconstitution IL-1 α should be stored at 4 °C (2-7 days) and at -20°C for future use. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA).

DESCRIPTION:

Recombinant mouse Interleukin-1 alpha (IL-1 α) produced in *E. coli* is a non-glycosylated polypeptide chain containing 156 amino acids and has a molecular weight of 18 kDa. Murine IL-1 α is a potent immuno-modulator that mediates a wide range of immune and inflammatory responses.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of murine D10S cells was found to be < 0.01ng/ml, corresponding to a specific activity of 1 x 10⁸ IU/mg.

USAGE: *For Research Purpose Only. Not to be used in humans.*

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- Apoptosis siRNA Vectors

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