

Recombinant Rat Interleukin-3 (IL-3)

CATALOG #: 4136-10 10 µg
4136-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analysis
Endotoxin level is <0.1 ng per µg of IL-3.

MOL. WEIGHT: 15.8 kDa

FORMULATION: Sterile filtered and lyophilized from 5 mM sodium citrate, pH 4.0.

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 µg/µl. The solution can 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-3 is best-stored desiccated below 0°C. Reconstituted rat IL-3, should be stored at working aliquots at -20°C.

DESCRIPTION:

Interleukin-3 (IL-3) is a species-specific colony-stimulating factor that stimulates colony formation of megakaryocytes, neutrophils, and macrophages from bone marrow cultures. Recombinant rat IL-3 is a 15.8 kDa protein.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent stimulation of thymidine uptake by murine MC-9 cells is <10 ng/ml, corresponding to a specific activity of >1 x 10⁵ units/mg.

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

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