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## 32-1399: rmIL3 Recombinant Protein

Alternative Name: MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399

## **Description**

Source: Escherichia Coli. IL 3 Rhesus Macaque Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 124 amino acids and having a molecular mass of 14.0kDa. The IL 3 Rhesus Macaque is purified by proprietary chromatographic techniques. IL3 is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.

## **Product Info**

Amount: 10 µg

**Purification:** Greater than 97.0% as determined by SDS-PAGE.

Content: Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Lyophilized IL-3 although stable at room temperature for 3 weeks, should be stored desiccated

Storage condition: below -18°C. Upon reconstitution IL-3 should be stored at 4°C between 2-7 days and for future use

below -18°C.Please prevent freeze-thaw cycles.

Amino Acid: APMTQTTSLK TSWAKCSNMI DEIITHLNQP PLPSPDFNNL NEEDQTILVE KNLRRSNLEA

FSKAVKSLQN ASAIESILKN LPPCLPMATA APTRPPIRIT NGDRNDFRRK LKFYLKTLEN EQAQ

## **Application Note**

It is recommended to reconstitute the lyophilized IL-3 in sterile 18M-cm H2O not less than  $100\text{\^{A}\mu g/ml}$ , which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependant stimulation of the proliferation of human TF-1 cells is less than 0.1ng/ml, corresponding to a Specific Activity of 10,000,000IU/mg.

