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## Product Data Sheet

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Product Name: IL 3 Human, HEK

Cat. No.: GP20488

Batch No.: 1

### Product Data

Purity >98%

Source HEK.

Physical  
Appearance

solid

Shipping  
Condition

Shipped at Room temp.

Synonyms

MCGF (Mast cell growth factor); Multi-CSF; HCGF; P-cell stimulation factor; IL-3; MGC79398; MGC79399.

Solubility

It is recommended to reconstitute the lyophilized IL-3 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Formulation

The IL3 was lyophilized from 1mg/ml in 1xPBS.

### Introduction

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.

### Biological Activity

The activity was determined by the dose dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) and is typically 0.5-2ng/ml corresponding to a specific activity of 500,000-2,000,000units/mg.

### Stability

Lyophilized IL-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL3 should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Interleukin-3 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 17-45kDa due to glycosylation. The IL-3 is purified by proprietary chromatographic techniques.

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