
Product Data Sheet

Product Name: IL 3 Human
Cat. No.: GP20486
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
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.		
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Met-Thr-Gln.		
Solubility	It is recommended to reconstitute the lyophilized Interleukin-3 in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a concentrated (1mg/ml) solution in water containing 0.3 mg/ml of NaHCO ₃ .		

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 ED50 as determined by the dose-dependant stimulation of TF-1 cells is < 0.1 ng/ml, corresponding to a Specific Activity of 10,000,000 IU/mg.

Stability

Lyophilized Interleukin-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 .Please prevent freeze-thaw cycles.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

Product Data Sheet

Background

Interleukin-3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 133 amino acids and having a molecular mass of 15000 Dalton. The IL-3 is purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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