
Product Data Sheet

Product Name: IL 3 Rhesus Macaque

Cat. No.: GP20494

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	APMTQTTSLK TSWAKCSNMI DEIITHLNQP PLPSPDFNNL NEEDQTILVE KNLRRSNLEA FSKAVKSLQN ASAIESILKN LPPCLPMATA APTRPPIRIT NGDRNDFRRK LKFYKLTLEN EQAQ		
Solubility	It is recommended to reconstitute the lyophilized IL-3 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.		

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 the proliferation of human TF-1 cells is less than 0.1ng/ml, corresponding to a Specific Activity of 10,000,000IU/mg.

Stability

Lyophilized IL-3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL-3 should be stored at 4°C between 2-7

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

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days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

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.

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