
Product Data Sheet

Product Name: IL 3 Dog
 Cat. No.: GP20493
 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	RPFSTDLPKQ YFTMINEIME MLNKSPSPSE EPLDSNEKET LLEDTLRRPN LDVFLNASSK FHKNGLLIWN NLKEFLPLLP TPTPRGEPIS IMENNWGDFQ RKLKYLEAL DNFLNFKNKP.		
Solubility	It is recommended to reconstitute the lyophilized IL3 in sterile 18MΩ-cm H2O 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 1X PBS pH7.4.		

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 TF-1 cells is < 0.2 ng/ml, corresponding to a Specific Activity of 5,000,000 IU/mg.

Stability

Lyophilized IL3 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

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

Interleukin-3 Canine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 120 amino acids and having a molecular mass of 14 kDa.The IL-3 is purified by proprietary chromatographic techniques.

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