
Product Data Sheet

Product Name: IL3 Mouse, sf9

Cat. No.: GP20491

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-3; Interleukin-3; sf9; IL3 sf9; L-3; Hematopoietic growth factor; Mast cell growth factor; MCGF; Multipotential colony-stimulating factor; P-cell-stimulating factor; IL3; Csfmu; IL-3; BPA; Csfmu; HCGF; IL-3; MCGF; PSF.		
Amino Acid Sequence	ASISGRDTHR LTRTLNCSSI VKEIIGKLPE PELKTDDEGP SLRNKSFRRV NLSKFVESQG EVDPEDRYVI KSNLQKLNCC LPTSANDSAL PGVFIRDLDLDD FRKKLRFYMV HLNDLETVLT SRPPQPASGS VSPNRGTVEC LEHHHHHH.		
Formulation	IL3 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Interleukin-3 is a pleiotropic cytokine produced primarily by activated T cells. IL-3 is thought to function via specific cell surface receptors to stimulate the proliferation, differentiation and survival of haematopoietic cell lines. IL-3 has also been shown to affect the functional activity of a variety of other cell types including mast cells, eosinophils, megakaryocytes and basophils.

Biological Activity

The ED50 is Measured in a cell proliferation assay using TF-1 human erythroleukemic and is ≤ 0.1 ng/ml.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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

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Background

IL3 Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 148 amino acids (27-166 a.a.) and having a molecular mass of 16.7kDa (Migrates at 18-28kDa on SDS-PAGE under reducing conditions).IL3 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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