
Product Data Sheet

Product Name: IL 3 Human, His
 Cat. No.: GP20487
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MCGF (Mast cell growth factor); Multi-CSF; HCGF; P-cell stimulation factor; IL-3; MGC79398; MGC79399.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAPMTQTTSL KTSWVNCSNM IDEIITHLKQ PPLPLDFNN LNGEDQDILM ENNLRRPNLE AFNRAVKSLQ NASAIESILK NLLPCLPLAT AAPTRHPIHI KDGDWNEFRR KLTFYKLTLE NAQAQQTTLA LAIF.		
Formulation	Interleukin-3 His (1mg/ml) is supplied in 20mM Tris-HCl buffer (pH 8.0), 0.2mM PMSF 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 for this effect is <0.53ng/ml. Measured in a cell proliferation assay using TF1 human erythroleukemic cells.

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.

Background

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

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Interleukin-3 Human Recombinant produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 154 amino acids fragment (20-152) and having a total molecular mass of 17.3kDa and fused with a 20 aa N-terminal His tag. The IL3 His is purified by proprietary chromatographic techniques.

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