

## 32-1393: IL 3 His Recombinant Protein

**Alternative Name :** MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor, IL-3, MGC79398, MGC79399.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	50 µg
<b>Purification :</b>	Greater than 90.0% as determined by analysis by SDS-PAGE.
<b>Content :</b>	Interleukin-3 His (1mg/ml) is supplied in 20mM Tris-HCl buffer (pH 8.0), 0.2mM PMSF and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MAPMTQTSL KTSWVNCSNM IDEIITHLKQ PPLPLDFNN LNGEDQDILM ENNLRRPNLE AFNRAVKSLQ NASAIESILK NLLPCLPLAT AAPTRHPIHI KDGDWNEFRR KLTFYLKTL NAQAQQTLS LAIF.

### Application Note

The ED50 for this effect is <0.53ng/ml. Measured in a cell proliferation assay using TF1 human erythroleukemic cells.

