

## 32-6422: IL3 Mouse, sf9

**Application :** Functional Assay  
**Alternative Name :** 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.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

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.

### Product Info

**Amount :** 1 µg / 5 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** IL3 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** ASISGRDTHR LRTLNCSSI VKEIIGKLPPELKTDDDEGP SLRNKSFRRV NLSKFVESQG EVDPEDRYVI KSNLQKLNCC LPTSANDSAL PGVFIRLDLDD FRKKLRFYMV HLNDETVLT SRPPQPASGS VSPNRGTVEC LEHHHHHH.

### Application Note

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