

## 32-20335: Recombinant Rat IL-3 Beta(Discontinued)

**Reactivity :** Mouse, Rat

**Alternative Name :** MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor

### Description

**Source:** E.coli IL-3 is a hematopoietic growth factor that promotes the survival, differentiation and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil and mast cell lineages. Produced by T cells, mast cells and eosinophils, IL-3 enhances thrombopoiesis, phagocytosis, and antibody-mediated cellular cytotoxicity. Its ability to activate monocytes suggests that IL-3 may have additional immunoregulatory roles. Many of the IL-3 activities depend upon co-stimulation with other cytokines. IL-3 is a species-specific, variably glycosylated cytokine. Recombinant Rat IL-3Beta is a 16.3 kDa globular protein containing 144 amino acid residues.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MISDRGSDAH HLLRTLDCRT IALEILVKLP YPQVSGLNNS DDKANLRNST LRRVNLDEFL KSQEEFDSQD  
TTDIKSKLQK LKCCIPAAAS DSVLPGVYNK DLDDFKKKLR FYVIHLKDLQ PVSVSRRPPQ TSSSDNFRPM  
TVEC

### Application Note

The ED<sub>50</sub> was determined by the dose-dependent stimulation of the proliferation of thymidine uptake by murine MC-9 cells is <= 10 ng/ml, corresponding to a specific activity of >= 1.0 x 10<sup>5</sup> units/mg.