

## IL-3/HCGFBPA/PSF, Mouse, Recombinant

货号: PCK312

## 产品信息

别名 MCGF (Mast Cell Growth Factor), Multi-CSF, HCGF, P-cell stimulation factor,

Interleukin-3b, BPA, PSF, Csfmu

物种 Mouse

表达宿主 E.coli

序列信息 MDTHRLTRTLNCSSIVKEIIGKLPEPELKTDDEGPSLRNKSFRRVNLSKFVES

QGEVDPEDRYVIKSNLQKLNCCLPTSANDSALPGVFIRDLDDFRKKLRFYM VHLNDLETVLTSRPPQPASGSVSPNRGTVEC with polyhistidine tag at the C-

terminus.

检索号 P01586.1

分子量 16.04 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce NFS-60 cells proliferation. The ED50 for this effect

is <85 pg/mL. The specific activity of recombinant mouse IL-3 is approximately

>1x 10^7 IU/mg.

# 产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.1 EU per 1 μg of the protein by the LAL method.

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution,

store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1%BSA,10%FBS,5%HSA or 5% trehalose solution),

protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH

7.4.

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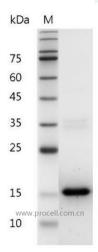
#### 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL.Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

# 背景介绍

Interleukin 3 is an interleukin, a type of biological signal (cytokine) that can improve the body's natural response to disease as part of the immune system. It acts by binding to the interleukin-3 receptor. Interleukin 3 stimulates the differentiation of multipotent hematopoietic stem cells into myeloid progenitor cells or, with the addition of IL-7, into lymphoid progenitor cells. In addition, IL-3 stimulates proliferation of all cells in the myeloid lineage (granulocytes, monocytes, and dendritic cells), in conjunction with other cytokines, e.g., Erythropoietin (EPO), Granulocyte macrophage colony-stimulating factor (GM-CSF), and IL-6. It is secreted by basophils and activated T cells to support growth and differentiation of T cells from the bone marrow in an immune response.

SDS-PAGE



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