

IL-3/MCGF, Human, Recombinant

货号 : PCK077

产品信息

别名	MCGF (Mast Cell Growth Factor), Multi-CSF, HCGF, P-cell stimulation factor, Interleukin-3b
物种	Human
表达宿主	E.coli
序列信息	MAPMTQTTSCLKTSWVNCSNMIDEIHTLKPPLPLLDFFNNLNGEDQDILME NNLRRPNLEAFNRAVKSLQNASAIKSLKLLPCLPLATAAPTRHPIHIKDG DWNEFRRLTFYKLTLENAQAQQTTLSLAIF with polyhistidine tag at the C-terminus.
检索号	ATV93543.1
分子量	16 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is <0.15 ng/mL. The specific activity of recombinant human IL-3 is approximately >1.2 x 10 ⁶ 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, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 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 8.0.



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

