

IL-7 (C-6His), Human, Recombinant

货号 : PCK080

产品信息

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|------|---|
| 别名 | Interleukin-7; IL-7; IL7 |
| 物种 | Human |
| 表达宿主 | Human Cells |
| 序列信息 | Asp26-His177 |
| 检索号 | P13232 |
| 分子量 | 18.4 kDa |
| 标签 | C-6His |
| 生物活性 | Measured in a cell proliferation assay using PHA-activated human peripheral blood mononuclear cell(PBMC). The ED50 for this effect is 50-300 pg/ml. |

产品特性

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|-----|---|
| 纯度 | >95% as determined by reducing SDS-PAGE. |
| 内毒素 | <1.0 EU per µg as determined by LAL test. |
| 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 | Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH 7.4. |



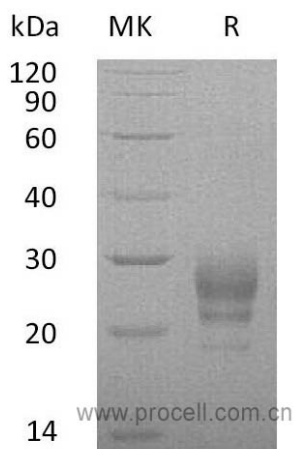
复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

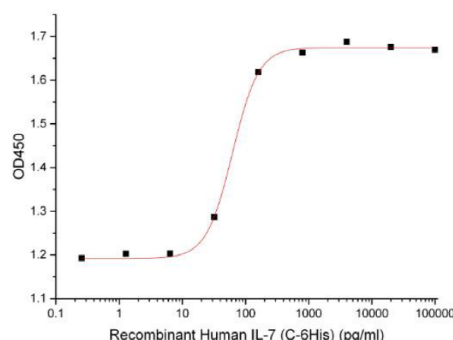
背景介绍

Human Interleukin 7 (IL-7) is a potent lymphoid cell Growth Factor stimulating the proliferation of lymphoid progenitors. IL7 can associate with the hepatocyte Growth Factor (HGF) to form a hybrid Cytokine that functions as a pre-pro-B cell growth-stimulating factor. Human IL7 cDNA encodes a 177 amino acid precursor Protein containing a 25 amino acid signal peptide and a 152 amino acid mature Protein. Human and mouse IL7 share 65% sequence identity in the mature region and both exhibit cross-species activity. IL-7 signals via IL-7 Receptor (IL7R) activating multiple pathways including JaK/ STAT and PI3K/ AKT, which regulate lymphocyte survival, glucose uptake, proliferation, and differentiation. IL-7 is also associated with cytoplasmic IL2-R gamma for signal transduction.

SDS-PAGE



生物活性



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