

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

货号 : PCK080

### 产品信息

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

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.



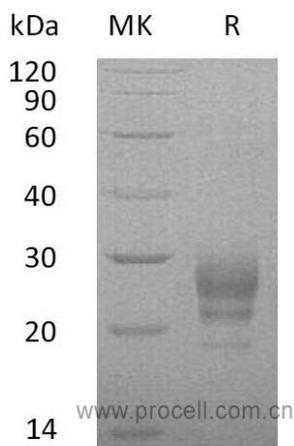
## 复融

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.

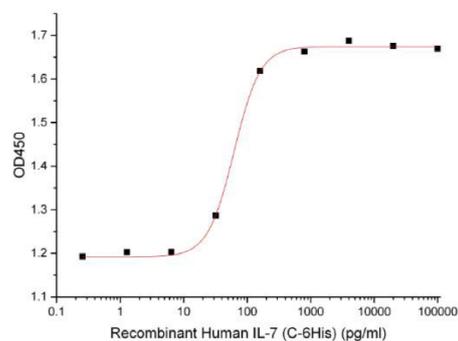
## 背景介绍

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



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.

