

## IL-2 (C-6His), Rat, Recombinant

货号：PCK026

### 产品信息

别名	Interleukin-2; IL-2; T-cell Growth Factor; TCGF; Aldesleukin; IL2
物种	Rat
表达宿主	Human Cells
序列信息	Ala21-Gln155
检索号	P17108
分子量	16.3 kDa

### 产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	<1.0 EU per $\mu\text{g}$ as determined by LAL test.
保存	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
运输	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
制剂	Supplied as a 0.2 $\mu\text{m}$ filtered solution of 5mM $\text{NaH}_2\text{PO}_4$ , 5mM Citric acid, 150mM NaCl, pH4.0.



## 背景介绍

Interleukin-2 (IL-2) is a O-glycosylated four  $\alpha$ -helix bundle Cytokine that has potent stimulatory activity for antigenactivated T cells. It is expressed by CD4+ and CD8+ T cells,  $\gamma\delta$  T cells, B cells, dendritic cells, and eosinophils. Mature rat IL-2 shares 66% and 73% amino acid sequence identity with human and mouse IL-2, respectively. The Receptor for IL-2 consists of three subunits that are present on the cell surface in varying preformed complexes. IL-2 is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL-2/ IL-2R signaling is required for T-cell proliferation and other fundamental functions that are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine-activated killer cells, monocytes, macrophages and oligodendrocytes.

## SDS-PAGE

