

**IL-2 (C-6His), Human, Recombinant**

Cat. No. : PCK022

**General Information**

<b>Synonyms</b>	Interleukin-2;IL-2;T-Cell Growth Factor;TCGF;Aldesleukin;IL2
<b>Species</b>	Human
<b>Expression host</b>	Human Cells
<b>Sequence</b>	Ala21-Thr153
<b>Accession</b>	P60568
<b>Tag</b>	C-6His
<b>Mol mass</b>	16.4 kDa
<b>Expiration date</b>	12 months
<b>Bio activity</b>	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells The specific activity of Recombinant Human IL-2 is $\geq 1 \times 10^7$ IU/mg.

**Product feature**

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin (EU/μg)</b>	< 0.1
<b>Storage</b>	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.
<b>Shipping</b>	Ice bag
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 10 mM Sodium Citrate, 4% Mannitol, pH 4.0.
<b>Reconstitution</b>	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 sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Background**

Interleukin-2 (IL-2) is an Interleukin, a type of Cytokine signaling molecule in the immune system, belongs to the IL-2 family. It 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.