

## Recombinant Human IL-2

Catalog No: C013

<b>Description</b>	Recombinant Human Interleukin-2 is produced by our E. coli expression system and the target gene encoding Ala21-Thr153 is expressed.	
<b>Source</b>	E. coli	
<b>Alternative name</b>	Interleukin-2; IL-2; T-Cell Growth Factor; TCGF; Aldesleukin; IL2	
<b>Accession No.</b>	P60568	
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 10mM sodium citrate, pH 4.0.	
<b>Mol Mass</b>	15.5kDa	
<b>AP Mol Mass</b>	14kDa, reducing conditions	
<b>Quality Control</b>	Purity	Greater than 95% as determined by reducing SDS-PAGE.
	Endotoxin	Less than 0.1 ng/µg (1 EU/µg)
	Bioactivity	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
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.	
<b>Storage</b>	Lyophilized protein should be stored at $< -20^\circ\text{C}$ , though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at $4-7^\circ\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $< -20^\circ\text{C}$ for 3 months.	
<b>Background</b>	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.	

### SDS-PAGE

