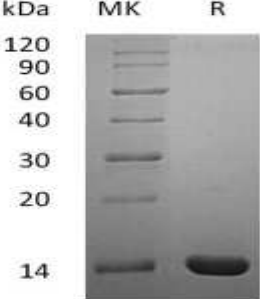


## Recombinant Human IL-2

 Catalog#:P00020    Derived from *E.coli*

<b>DESCRIPTION</b>	<p>Recombinant Human Interleukin-2 is produced by our E.coli expression system and the target gene encoding Ala21-Thr153 is expressed.</p> <p>Accession#: P60568</p> <p>Synonyms: Interleukin-2, IL-2, T-Cell Growth Factor, TCGF, Aldesleukin, IL2</p>
<b>FORMULATION</b>	<p>Lyophilized from a 0.2 μm filtered solution of 10mM sodium citrate, pH 4.0.</p>
<b>SHIPPING</b>	<p>The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.</p>
<b>STORAGE</b>	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
<b>RECONSTITUTION</b>	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100μg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>QUALITY CONTROL</b>	<p>Mol Mass: 15.5kDa    AP Mol Mass: 14kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg).</p> <p>Bioactivity:Measured in a cell proliferation assay using CTLL 2 mouse cytotoxic T cells.The ED50 for this effect is 0.05-0.25 ng/ml.</p>
<b>BACKGROUND</b>	<p>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.</p>
<b>SDS-PAGE</b>	 <p>SDS-PAGE gel image showing two lanes, MK and R, with molecular weight markers on the left. The markers are 120, 90, 60, 40, 30, 20, and 14 kDa. Lane MK shows a prominent band at approximately 15.5 kDa. Lane R shows a prominent band at approximately 14 kDa.</p>