



## RECOMBINANT HUMAN INTERLEUKIN-2

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<b>CATALOG NUMBER:</b>	IL002	<b>QUANTITY:</b>	50 µg
<b>LOT NUMBER:</b>			
<b>DESCRIPTION:</b>	Interleukin-2 (IL-2) is a potent immuno-modulator, which mediates a wide range of immune and inflammatory responses. Recombinant human IL-2 is a 15.4 kDa protein containing 134 amino acid residues.		
<b>SOURCE:</b>	<i>E. coli</i>		
<b>PURITY:</b>	Greater than 98% by SDS-PAGE and HPLC analysis. Endotoxin level is less than 0.1 ng per µg of IL-2 (1EU/µg).		
<b>ACTIVITY:</b>	Human IL-2 is fully biologically active when compared to standards. The ED <sub>50</sub> as determined by the dose-dependent stimulation of mouse CTLL-2 cells is $\leq$ 0.1 ng/mL, corresponding to a specific activity of $\geq 1 \times 10^7$ units/mg.		
<b>APPLICATIONS:</b>	For most <i>in vitro</i> applications, IL-2 exerts its biological activity in the concentration range of 0.1 to 1.0 ng/mL. Responding cells are (partial list): T-cells, NK cells, LAK cells.		
<b>PRESENTATION:</b>	Lyophilized powder with no additives.		
<b>STORAGE/HANDLING:</b>	The lyophilized IL-2, though stable at room temperature, is best stored at -20°C. After a quick spin reconstitute in 100mM acetic acid to a concentration of 0.1-1.0 mg/mL. This solution can be diluted into other buffered solutions or stored. Reconstituted IL-2 should be stored in undiluted aliquots at -20°C for up to six months. Avoid repeated freeze/thaw cycles.		

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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