

## Recombinant Human Interleukin-2 (IL-2)

**CATALOG #:** 4131-10 10 µg  
4131-50 50 µg  
4131-1000 1 mg

**SOURCE:** *E. coli*

**PURITY:** >95% by SDS-PAGE and HPLC analysis  
Endotoxin level is <0.1 ng per µg of IL-2.

**MOL. WEIGHT:** 15.5 kDa

**FORMULATION:** Lyophilized with no additives

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in H<sub>2</sub>O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers or stored at 4° C for 1 week or – 20° C for future use.

### STORAGE CONDITIONS:

The lyophilized IL-2 is best-stored desiccated below 0° C. Reconstituted IL-2 should be stored at working aliquots at -20° C. For long-term storage it is recommended to add a carrier protein (0.1% HAS or BSA).

### DESCRIPTION:

IL-2 is a potent immuno-modulator, which mediates a wide range of immune and inflammatory responses. Recombinant Human IL-2 is a 15.5 kDa protein containing 134 amino acid residues.

### BIOLOGICAL ACTIVITY:

The ED<sub>50</sub> as determined by the dose-dependent stimulation of murine CTLL-2 cells is ≤ 10 ng/ml, corresponding to a specific activity of ≥ 1 x 10<sup>5</sup> units/mg.

### RELATED PRODUCTS:

- IL-2 Receptor α, Human Recombinant (7100)
- Human CellExp™ IL-2 R beta / CD122, human recombinant (7391)
- IL-2, human recombinant (4131)
- IL-2, rat recombinant (4133)
- IL-2, murine recombinant (4132)
- Human CellExp™ IL-2, Human Recombinant (6461)
- Human CellExp™ IL-2, Human Recombinant (P1385)
- Human CellExp™ IL-2 R alpha / CD25, Mouse Recombinant (P1464)
- Human CellExp™ CD25/IL-2R alpha, C-His Tag, Human Recombinant (P1303)

**FOR RESEARCH USE ONLY! Not to be used in humans.**