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Recombinant Human Interleukin-2

Description: IL-2 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 which 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. Recombinant human IL-2 is a 15.5 kDa protein, containing 134 amino acid residues including one intrachain disulfide bond.

Source:	E. coli
Molecular Weight:	15.5 kDa
Purity:	> 98% by SDS-PAGE and silver staining
Endotoxin level:	< 0.1 ng per µg of IL-2
Stabilizer:	none
Buffer:	50 mM acetic acid
Formulation:	lyophilized

Biological Activity: The ED₅₀ as determined by the dose-dependent stimulation of murine CTLL-2 cells is ≤ 0.1 ng/ml.

Reconstitution: The lyophilized IL-2 should be reconstituted in 50 mM acetic acid to a concentration not less than 100 µg/ml. This solution can be diluted into other buffered solutions or stored at -20°C for future use. For most in vitro applications, IL-2 exerts its biological activity in the concentration range 0.1 to 1.0 ng/ml.

Stability: The lyophilized IL-2, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted IL-2 should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

Usage: Human IL-2 is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 200-010

Size: 50 µg

****Please note: always centrifuge product before opening vial!****