

## 32-20212: Recombinant Rat IL-2(Discontinued)

**Reactivity :** Mouse, Rat

**Alternative Name :** T-cell growth factor (TCGF), Aldesleukin

### Description

**Source:** E.coli 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 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. Recombinant Rat IL-2 is a 15.3 kDa protein containing 134 amino acid residues.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity:  $\geq 98\%$  by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MAPTSSPAKE TQQHLEQLLL DLQVLLRGID NYKNLKLPMMLTFKFYLPKQ ATELKHLQCL ENELGALQRV  
LDLTQSKSFH LEDAGNFISN IRVTVVKLKG SENKFECQFD DEPATVVEFL RRWIAIAQSI ISTM

### Application Note

The  $ED_{50}$  as determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells is  $\leq 0.4$  ng/ml, corresponding to a specific activity of  $\geq 2.5 \times 10^6$  units/mg.