

## 32-20375: Recombinant Rat IL-15(Discontinued)

**Reactivity :** Human, Mouse, Rat

**Alternative Name :** IL-T

### Description

**Source:** *E. coli* IL-15 is an immunomodulating cytokine that stimulates the proliferation of T lymphocytes and shares many biological properties with IL-2. IL-15 exerts its biological activities primarily on T cells. It is also essential in the development, survival and activation of NK cells. Increased expression of IL-15 has been linked to rheumatoid arthritis, inflammatory bowel disease, and diseases affiliated with retroviruses HIV and HTLV-I. Human IL-15 is biologically active on mouse cells as measured by the dose-dependent stimulation of the proliferation of mouse CTLL cells. Recombinant Rat IL-15 is a 13.5 kDa protein consisting of 115 amino acid residues.

### Product Info

**Amount :** 2 µg / 10 µg

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

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

**Amino Acid :** MNWIDVRYDL EKIESLIQFI HIDTTLYTDS DFHPSCKVTA MNCFLLELQV ILHEYSNMTL NETVRNVLYL  
ANSTLSSNKN VIESGCKECE ELEERNFTEF LQSFHIVQM FINTS

### Application Note

The  $ED_{50}$  as determined by the dose-dependant stimulation of the proliferation of murine CTLL-2 cells is  $\leq 10$  ng/ml, corresponding to a specific activity of  $\geq 1 \times 10^5$  units/mg.