

### 32-20373: Animal-Free Recombinant Human IL-15(Discontinued)

**Reactivity :** Human, Mouse

**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 Human IL-15 is a 12.9 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 :** MNWVNVISDL KKIEDLIQSM HIDATLYTES DVHPSCKVTA MKCFLELQV ISLESGDASI HDTVENLIIL  
ANNLSNNGN VTESGCKECE ELEEKNIKEF LQSFVHIVQM FINTS

#### Application Note

Determined by its ability to stimulate the proliferation of mouse CTLL-2 cells. The expected  $ED_{50}$  is  $\leq 0.5$  ng/ml, corresponding to a specific activity of  $\geq 2 \times 10^6$  units/mg.