

## 32-20362: Animal-Free Recombinant Human IL-7(Discontinued)

**Reactivity :** Human

**Alternative Name :** Lymphopoietin 1(LP-1), pre-B cell factor

### Description

#### Source:E.coli

IL-7 is a hematopoietic growth factor that primarily affects early B and T cells. Produced by thymic stromal cells, spleen cells and keratinocytes, IL-7 can also co-stimulate the proliferation of mature T cells in combination with other factors, such as ConA and IL-2. Human and murine IL-7 are cross-species reactive. Recombinant Human IL-7 is a 17.4 kDa protein containing 153 amino acid residues.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Purity:>= 98% by SDS-PAGE gel and HPLC analyses.

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

**Amino Acid :** MDCDIEGKDG KQYESVLMVS IDQLDSMKE IGSNCLNNEF NFFKRHICDA NKEGMFLFRA ARKLRQFLKM  
NSTGDFDLHL LKVSEGTTL LNCTGQVKGR KPAALGEAQP TKSLEENKSL KEQKKLNDLC FLKRLLQEIK  
TCWNKILMGT KEH

### Application Note

Determined by its ability to stimulate the proliferation of mouse 2E8 cells. The expected ED<sub>50</sub> is <=0.5 ng/ml, corresponding to a specific activity of >= 2 x 10<sup>6</sup> units/mg.