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## 32-20429: Recombinant Human IL-7(Discontinued)

**Reactivity:** Human, Monkey, Mouse, Rabbit, Rat **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:  $2 \mu g / 10 \mu g$ 

**Purification:** Purity:>= 98% by SDS-PAGE gel and HPLC analyses. **Content:** This recombinant protein is supplied in lyophilized form.

Amino Acid: MDCDIEGKDG KQYESVLMVS IDQLLDSMKE IGSNCLNNEF NFFKRHICDA NKEGMFLFRA ARKLRQFLKM

NSTGDFDLHL LKVSEGTTIL LNCTGQVKGR KPAALGEAQP TKSLEENKSL KEQKKLNDLC FLKRLLQEIK

TCWNKILMGT KEH

## **Application Note**

TheÃ $\square$  ED<sub>50</sub>Ã $\square$  was determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is <=0.5 ng/ml, corresponding to a specific activity of>= 2 x  $10^6$ Ã $\square$  units/mg.