

## 32-20457: Recombinant Murine IL-7(Discontinued)

**Reactivity :** Human, Mouse

**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 is cross-species reactive. Recombinant Murine IL-7 is a 15.0 kDa protein containing 130 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 :** MECHIKDKEG KAYESVLMIS IDELDKMTGT DSNCPPNEPN FFRKHVCDT KEAFLNRAA RKLKQFLKMN  
ISEEFNVHLL TVSQGTQTLV NCTSKEEKNV KEQKNDACF LKRLREIKT CWNKILKGS

### Application Note

The  $ED_{50}$  as determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is  $\leq 0.2$  ng/ml, corresponding to a specific activity of  $\geq 5 \times 10^6$  units/mg.