

### **Animal-Free Recombinant Human IL-7**

Catalog # PBG10515

# **Specification**

#### Animal-Free Recombinant Human IL-7 - Product Information

### Animal-Free Recombinant Human IL-7 - Additional Information

# **Description**

IL-7 is a hematopoietic growth factor which affects primarily 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 human IL-7 is a 17.4 kDa protein containing 153 amino acid residues.

## **Biological**Activity

The <strong>ED</strong><sub>50</sub> was determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is  $\leq 0.5$  ng/ml, corresponding to a specific activity of  $\geq 2$  x 10<sup>6</sup> units/mg.

## **Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

#### **Endotoxin**

Endotoxin level is  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

### **Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

#### Storage

-20°C

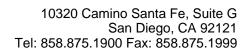
### **Precautions**

Animal-Free Recombinant Human IL-7 is for research use only and not for use in diagnostic or therapeutic procedures.

# **Animal-Free Recombinant Human IL-7 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture





**Animal-Free Recombinant Human IL-7 - Images**