

**Animal-Free Recombinant Human IL-7**  
**Catalog # PBG10515****Specification**

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**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  $ED_{50}$  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  $\geq 2 \times 10^6$  units/mg.

**Authenticity**

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

**Endotoxin**

Endotoxin level is  $<0.1$  ng/  $\mu$ g of protein ( $<1$ EU/  $\mu$ 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 Cytometry](#)
- [Cell Culture](#)

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