

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.

BiologicalActivity

The ED₅₀ 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 10⁶ 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

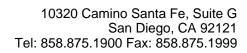
Precautions

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