

**Animal-Free Recombinant Human IL-15**  
**Catalog # PBG10520****Specification**

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**Animal-Free Recombinant Human IL-15 - Product Information****Animal-Free Recombinant Human IL-15 - Additional Information****Description**

IL-15 is an immunomodulating cytokine that stimulates the proliferation of T lymphocytes and shares many biological properties with IL-2. IL-15 exerts its biological activities primarily on T cells. It is also essential in the development, survival and activation of NK cells. Increased expression of IL-15 has been implicated with rheumatoid arthritis, inflammatory bowel disease and diseases affiliated with retroviruses HIV and HTLV-I. Human IL-15 is biologically active on M cells as measured by the dose-dependent stimulation of the proliferation of M CTLL cells. Recombinant human IL-15 is a 12.9 kDa protein consisting of 114 amino acid residues.

**Biological Activity**

The  $ED_{50}$  as determined by the dose-dependent stimulation of the proliferation of CTLL-2 cells was found to be  $\leq 0.5$  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-15 is for research use only and not for use in diagnostic or therapeutic procedures.

**Animal-Free Recombinant Human IL-15 - 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-15 - Images**