

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

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 ≤ 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/ μ g of protein (<1 EU/ μ 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