

Recombinant Rat IL-15
Catalog # PBG10196**Specification**

Recombinant Rat IL-15 - Product Information**Recombinant Rat 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 rat IL-15 is a 13.5 kDa protein consisting of 115 amino acid residues.

Biological Activity

The ED_{50} as determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells is < 10 ng/ml, corresponding to a specific activity of $> 1 \times 10^5$ 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

Recombinant Rat IL-15 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Rat 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](#)

Recombinant Rat IL-15 - Images