

**Recombinant Human IL -23**  
**Catalog # PBG10222****Specification**

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**Recombinant Human IL -23 - Product Information****Recombinant Human IL -23 - Additional Information****Description**

IL-23 is a proinflammatory heterodimeric protein composed of two subunits, a unique p19 subunit and a p40 subunit, which is shared with IL-12. IL-23 is secreted by activated dendritic cells and macrophages, and signals through a receptor comprised of IL-23R complexed with IL-12R $\beta$ 2. IL-23 has been shown to enhance proliferation of memory T cells. It also stimulates the production of IFN- $\gamma$  in NK cells, induces IL-17 production, and drives Th17 mediated responses. Recombinant IL-23 is a 53.5 kDa heterodimeric protein consisting of two subunits, p19 (170 amino acids) and p40 (306 amino acids).  
*\*Manufactured using BTI-Tn-5B1-4 cells under license from the Boyce Thompson Institute for Plant Research, Inc.\**

**Biological Activity**

Measured by its ability to induce IL-17 secretion by M splenocytes.

**Authenticity**

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

**Endotoxin**

Endotoxin level is <0.1 ng/  $\mu$ g of protein (<1EU/  $\mu$ g).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human IL -23 is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human IL -23 - 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 Human IL -23 - Images**