

**Recombinant Human IL -24**  
**Catalog # PBG10223****Specification**

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**Recombinant Human IL -24 - Product Information****Recombinant Human IL -24 - Additional Information****Description**

IL-24 is a secreted glycoprotein belonging to the IL-10 structural family of cytokines. It is produced by a variety of cell types, including B cells, CD4+ cells, NK cells, lymph node DCs, monocytes, and melanoma cells. IL-24 can signal through the IL20R1/IL20R2 and IL22R1/IL20R2 receptors to initiate a signaling cascade which includes the induction of JAK1/STAT3 phosphorylation. IL-24 is, functionally, a pleiotropic protein but is generally characterized as an anti-cancer cytokine that can selectively inhibit growth of a wide variety of human cancer cells through activities that include the induction of differentiation and apoptosis, and the suppression of angiogenesis and cell proliferation. Recombinant human IL-24 is an 18.9 kDa glycoprotein, containing 161 amino acid residues, including a C-terminal His-tag.

**Biological Activity**

Testing in progress.

**Authenticity**

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

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

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

**Storage**

-20°C

**Precautions**

Recombinant Human IL -24 is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human IL -24 - 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 -24 - Images**