

**Recombinant Human IL-16 (130 a.a.)**  
**Catalog # PBG10198****Specification**

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**Recombinant Human IL-16 (130 a.a.) - Product Information****Recombinant Human IL-16 (130 a.a.) - Additional Information****Description**

IL-16 is a CD8+ T cell-derived cytokine that induces chemotaxis of CD4+ T cells and CD4+ monocytes and eosinophils. Analysis by gel filtration suggests that, under physiological conditions, hIL-16 exists predominantly as a noncovalently linked multimer, but that some IL-16 may exist as a monomer. However, only the multimeric form appears to possess chemotactic activity, suggesting that receptor cross-linking may be required for activity. IL-16 also induces expression of IL-2 receptor (IL-2R) and MHC class II molecules on CD4 + T cells. Human and murine IL-16 show significant cross-species reactivity. Recombinant human IL-16 is a 13.5 kDa protein consisting of 130 amino acid residues.

**Biological Activity**

Determined by its ability to chemoattract human CD4+ T lymphocytes using a concentration range of 1.0-100.0 ng/ml.

**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-16 (130 a.a.) is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human IL-16 (130 a.a.) - 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-16 (130 a.a.) - Images**