

**Recombinant Human CXCL16**  
**Catalog # PBG10063****Specification**

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**Recombinant Human CXCL16 - Product Information****Recombinant Human CXCL16 - Additional Information****Description**

CXCL16 is a member of the CXC chemokine family and signals through the CXCR6 receptor. CXCL16 may play a role in attracting lymphocyte subsets during inflammation and may facilitate certain immune responses. The chemokine domain of CXCL16 contains six cysteine residues including the four highly conserved cysteine residues characteristic of CXC chemokines. The CXCL16 gene codes for a 273 amino acid polypeptide, which includes a 29 amino acid cytoplasmic domain and transmembrane sequence containing approximately 20 amino acids. The extracellular portion of CXCL16 contains a chemokines domain and an extended C-terminal "mucin-like stalk" sequence. The extracellular domain contains 89 amino acid residues (86 a.a. residues for the murine homolog). Recombinant human CXCL16 is a 10.1 kDa protein containing 89 amino acid residues.

**Biological Activity**

Determined by its ability to chemoattract activated lymphocytes using a concentration 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 CXCL16 is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human CXCL16 - 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 CXCL16 - Images**