

## Human CXCL13, His Tag, E. coli

<b>Catalog Number</b>	LDG163PHE
<b>Package</b>	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Human

#### Affinity Tag

His Tag (N-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to chemoattract human THP1 cells using a concentration range of 10-100 ng/mL.

#### Form

Lyophilized

#### Expression System

Escherichia coli

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 9.49 kDa. The protein migrates as 11 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

### Background

#### Tainan Headquarters

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#### Innovation & Research Center

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#### CLD Center

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### Background

C-X-C motif chemokine 13 (CXCL13) also named B lymphocyte chemoattractant (BLC), which is a chemokine of the intercrine alpha family. CXCL13 is a 7.9kDa protein containing 72 amino acid residues. CXCL13 is a chemotaxis for B lymphocyte. CXCL13 induces the cell proliferation through the AKT signal pathway which plays a key role in intestinal cancer model. CXCL13 /CXCR5 axis is highly expressed in gut, spleen and lymph nodes.

### Uniprot ID

O43927

### Synonyms

B cell-attracting chemokine 1, BCA-1, B lymphocyte chemoattractant, CXC chemokine BLC, Small-inducible cytokine B13, C-X-C motif chemokine 13

### Sequence Note

Val23-Arg94

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

## Image

### Tainan Headquarters

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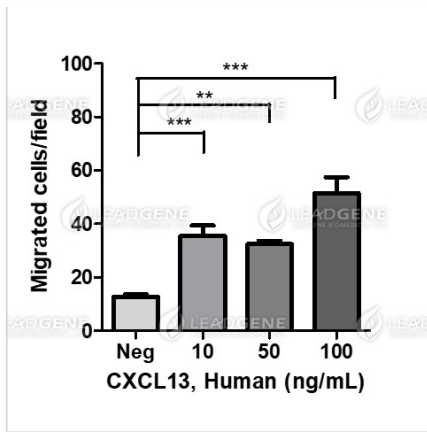
✉ [bd@leadgene.com.tw](mailto:bd@leadgene.com.tw)

### Innovation & Research Center

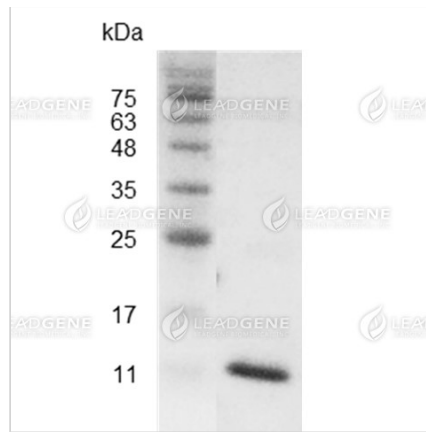
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Activity analysis of recombinant Human CXCL13, His Tag, E. coli. Measure by its ability to chemoattract human THP1 cells using a concentration range of 10-100 ng/mL.



SDS-PAGE analysis of recombinant human CXCL13.

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