

Bioactive

## CXCL14 (Human) Recombinant Protein

Catalog # P6336

Size 20 ug

### Specification

|                      |                                                                                                                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Human CXCL14 (O95715) recombinant protein expressed in <i>E. Coli</i> .                                                                                                                                          |
| Sequence             | SKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMMVIITKSVSRYRGQEHCLHPKLQSTKRFIKWYN<br>AWNEKRRVYEE                                                                                                                                |
| Host                 | Escherichia coli                                                                                                                                                                                                 |
| Theoretical MW (kDa) | 8                                                                                                                                                                                                                |
| Form                 | Lyophilized                                                                                                                                                                                                      |
| Purity               | > 95%                                                                                                                                                                                                            |
| Endotoxin Level      | <= 1 EUs/ug (LAL gel clot method)                                                                                                                                                                                |
| Activity             | Determined by the ability to chemoattract activated monocytes using a concentration range of 1-10 ng/mL.                                                                                                         |
| Storage Buffer       | Lyophilized from PBS, pH 7.2.                                                                                                                                                                                    |
| Storage Instruction  | Stored at -20°C to -80°C.<br>After reconstitution with sterile water not less than 0.1 mg/mL, store at -20°C to -80°C for 6 months, store at 4°C for 1 month.<br>Aliquot to avoid repeated freezing and thawing. |

### Applications

- Western Blot
- Functional Study

### Gene Info — CXCL14

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">9547</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protein Accession# | <a href="#">O95715</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name          | CXCL14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Alias         | BMAC, BRAK, KS1, Kec, MGC10687, MIP-2g, NJAC, SCYB14, bolekin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description   | chemokine (C-X-C motif) ligand 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Omim ID            | <a href="#">604186</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Summary       | This gene belongs to the cytokine gene family which encode secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC (Cys-X-Cys) subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes but not for lymphocytes, dendritic cells, neutrophils or macrophages. It has been implicated that this cytokine is involved in the homeostasis of monocyte-derived macrophages rather than in inflammation. [provided by RefSeq] |
| Other Designations | CXC chemokine in breast and kidney small inducible cytokine B14 small inducible cytokine subfamily B (Cys-X-Cys), member 14 (BRAK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)

- [Hyperparathyroidism](#)
- [Infant](#)
- [Liver Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Respiratory Syncytial Virus Infections](#)
- [Tobacco Use Disorder](#)