

Bioactive

## CXCL11 (Human) Recombinant Protein

Catalog # P7628

Size 1 mg

### Specification

Product Description	Human CXCL11 (O14625, 22 a.a. - 94 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	FPMFKRGRCLCIGPGVKAVKVADIEKASIMYPSNNCDKIEVITLKENKGQRCLNPKSKQARLIKKV ERKNF
Host	Escherichia coli
Theoretical MW (kDa)	8.300000000000001
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 97% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The ED <sub>50</sub> was determined by a chemotaxis bioassay using human IL-2 activated human T-lymphocytes in a concentration range of 0.1 - 10 ng/mL.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

### Applications

- Functional Study
- SDS-PAGE

## Gene Info — CXCL11

Entrez GeneID [6373](#)

Protein Accession# [O14625](#)

Gene Name CXCL11

Gene Alias H174, I-TAC, IP-9, IP9, MGC102770, SCYB11, SCYB9B, b-R1

Gene Description chemokine (C-X-C motif) ligand 11

Omim ID [604852](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC. This gene is a CXC member of the chemokine superfamily. Its encoded protein induces a chemotactic response in activated T-cells and is the dominant ligand for CXC receptor-3. The gene encoding this protein contains 4 exons and at least three polyadenylation signals which might reflect cell-specific regulation of expression. IFN-gamma is a potent inducer of transcription of this gene. [provided by RefSeq]

**Other Designations**

small inducible cytokine B11|small inducible cytokine subfamily B (Cys-X-Cys), member 11|small inducible cytokine subfamily B (Cys-X-Cys), member 9B

## Pathway

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

## Disease

- [HIV Infections](#)