

Recombinant Human CXCL11 Protein, DYKDDDDK-tagged

Cat. No. CCL11-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant protein from the full-length sequence of Homo sapiens C-X-C motif chemokine ligand 11 (CXCL11), transcript variant 1 (NM_005409), with a DYKDDDDK tag was expressed in human cells.

Species Human

Source Human Cells

Description 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 antimicrobial 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. Two transcript variants encoding different isoforms have been found for this gene.

Molecular Mass 8.3 kDa

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|-----------------------|---|
| Endotoxin | < 0.1 ng/μg of protein (< 1 EU/μg) |
| Purity | > 90% by SDS-PAGE gel and Coomassie Blue staining |
| Applications | Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only! |
| Storage Buffer | Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | CXCL11 C-X-C motif chemokine ligand 11 [Homo sapiens (human)] |
| Official Symbol | CXCL11 |
| Synonyms | CXCL11; C-X-C motif chemokine ligand 11; IP9; H174; IP-9; b-R1; I-TAC; SCYB11; SCYB9B; C-X-C motif chemokine 11; beta-R1; chemokine (C-X-C motif) ligand 11; interferon gamma-inducible protein 9; interferon-inducible T-cell alpha chemoattractant; small inducible cytokine B11; small inducible cytokine subfamily B (Cys-X-Cys), member 11; small inducible cytokine subfamily B (Cys-X-Cys), member 9B |
| Gene ID | 6373 |
| mRNA Refseq | NM_005409 |
| Protein Refseq | NP_005400 |
| MIM | 604852 |

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UniProt ID

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