

Recombinant Hamster Cxcl11 Protein, His-tagged

Cat. No. Cxcl11-2773H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Hamster Cxcl11 Protein (Phe22-Met99) with N-His tag was expressed in E. coli. |
| Species | Hamster |
| Source | E.coli |
| ProteinLength | Phe22-Met99 |
| Description | <p>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.</p> |
| Form | Freeze-dried powder |

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| Molecular Mass | Predicted Molecular Mass: 12.7 kDa Accurate Molecular Mass: 15 kDa |
| Purity | > 90% |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |
| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in PBS or others. |
| GENE INFORMATION | |
| Gene Name | Cxcl11 C-X-C motif chemokine ligand 11 [<i>Cricetulus griseus</i> (Chinese hamster)] |
| Official Symbol | Cxcl11 |
| Synonyms | Cxcl11; C-X-C motif chemokine ligand 11; C-X-C motif chemokine 11; chemokine (C-X-C motif) ligand 11; I-TAC; IP9; SCYB11; SCYB9B; B-R1; Small Inducible Cytokine Subfamily B Member 11; Interferon gamma-inducible protein 9 |
| Gene ID | 100771051 |

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mRNA Refseq XM_007653171

Protein Refseq XP_007651361

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