Recombinant Hamster Cxcl11 Protein, His-tagged

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

SPECIFICATION

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	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.
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 [Cricetulus griseus (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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