

Recombinant Hamster Cxcl12 Protein, His-tagged

Cat. No. Cxcl12-1220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Hamster Cxcl12 Protein (Lys22-Lys89) with His tag was expressed in E. coli.
Species	Hamster
Source	E.coli
ProteinLength	Lys22-Lys89
Description	Enables chemoattractant activity. Acts upstream of or within several processes, including fin regeneration; nervous system development; and regulation of cell migration. Is active in migrasome. Is expressed in several structures, including brain; mesoderm; myoseptum; neural rod; and sensory system. Human ortholog(s) of this gene implicated in breast carcinoma; diabetic angiopathy; human immunodeficiency virus infectious disease; and type 1 diabetes mellitus. Orthologous to human CXCL12 (C-X-C motif chemokine ligand 12).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.7 kDa; Accurate Molecular Mass: 14 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	Cxcl12 C-X-C motif chemokine ligand 12 [Cricetulus griseus (Chinese hamster)]
Official Symbol	Cxcl12
Synonyms	Cxcl12; C-X-C motif chemokine ligand 12; stromal cell-derived factor 1; Stromal cell-derived factor 1; chemokine (C-X-C motif) ligand 12; stromal cell-derived factor 1-like protein
Gene ID	100759082
mRNA Refseq	XM_007651368
Protein Refseq	XP_007649558

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