

## Recombinant Hamster Cxcl12 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Hamster Cxcl12 Protein (Lys22-Lys89) with His tag was expressed in E. coli.
<b>Species</b>	Hamster
<b>Source</b>	E.coli
<b>ProteinLength</b>	Lys22-Lys89
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 11.7 kDa; Accurate Molecular Mass: 14 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	Cxcl12 C-X-C motif chemokine ligand 12 [ <i>Cricetulus griseus</i> (Chinese hamster) ]
<b>Official Symbol</b>	Cxcl12
<b>Synonyms</b>	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
<b>Gene ID</b>	100759082
<b>mRNA Refseq</b>	XM_007651368
<b>Protein Refseq</b>	XP_007649558

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA