



[Go to Product page](#)

Datasheet for ABIN4370493  
**CXCL12 Protein (AA 22-89)**

### Overview

Quantity:	50 µg
Target:	CXCL12
Protein Characteristics:	AA 22-89
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Mouse C-X-C Motif Chemokine 12/CXCL12/SDF-1 α
Sequence:	MKPVLSYRC PCRFFESHIA RANVKHLKIL NTPNCALQIV ARLKNNNRQV CIDPKLKWIQ EYLEKALNK
Characteristics:	Recombinant Mouse C-X-C Motif Chemokine 12/CXCL12/SDF-1 α
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

### Target Details

Target:	CXCL12
Alternative Name:	C-X-C Motif Chemokine 12 ( <a href="#">CXCL12 Products</a> )
Molecular Weight:	8.1 kDa

## Target Details

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UniProt: [P40224](#)

Pathways: [Regulation of Cell Size](#), [CXCR4-mediated Signaling Events](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.  
Dissolve the lyophilized protein in ddH<sub>2</sub>O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.