



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### CXCL12 (Human) Recombinant Protein

**Catalog Number:** P9579

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CXCL12 (P48061, 21 a.a. - 119 a.a.) partial recombinant protein expressed in *Escherichia coli*.

**Sequence:**

GKPVLSYRCPFRFFESHVARANVKHLKILNTPNCALQ  
IVARLKNNRQVCIDPKLKWIQEYLEKALNKGRREEKV  
GKKEKIGKKRQKKRKAQKRKN

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 11.6

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Lyophilized

**Preparation Method:** *Escherichia coli* expression system

**Purity:** > 96.0% by SDS-PAGE

**Activity:** The Biological activity is 30 - 100 ng/mL, was determined by a chemotaxis bioassay using PHA and rHulL-2 activated human peripheral blood T-lymphocytes.

**Recommend Usage:** Biological Activity  
SDS-PAGE

The optimal working dilution should be determined by the end user.

**Storage Buffer:** Lyophilized from sterile distilled Water is 0.5 mg/mL

**Storage Instruction:** Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 6387

**Gene Symbol:** CXCL12

**Gene Alias:** PBSF, SCYB12, SDF-1a, SDF-1b, SDF1, SDF1A, SDF1B, TLSF-a, TLSF-b, TPAR1

**Gene Summary:** For background information on chemokines, see CXCL1 (MIM 155730). Stromal cell-derived factors 1-alpha and 1-beta are small cytokines that belong to the intercrine family, members of which activate leukocytes and are often induced by proinflammatory stimuli such as lipopolysaccharide, TNF (see MIM 191160), or IL1 (see MIM 147760). The intercrines are characterized by the presence of 4 conserved cysteines which form 2 disulfide bonds. They can be classified into 2 subfamilies. In the CC subfamily, which includes beta chemokine, the cysteine residues are adjacent to each other. In the CXC subfamily, which includes alpha chemokine, they are separated by an intervening amino acid. The SDF1 proteins belong to the latter group.[supplied by OMIM]