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Produktinformation



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Diagnostik & molekulare Diagnostik



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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: P9574

Regulation Status: For research use only (RUO)

Product Description: Human CXCL12 (P48061, 22 a.a. - 93 a.a.) partial recombinant protein expressed in *Escherichia coli*.

Sequence:

KPVLSYRCPCRFFESHVARANVKHLKILNTPNCALQI
VARLKNNNRQVCIDPKLKWIEYLEKALNKRFBM

Host: *Escherichia coli*

Theoretical MW (kDa): 8.5

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: > 98.0% by SDS-PAGE

Activity: The Biological activity is 20 - 80 ng/mL, was
determined by the ability to chemoattract human
peripheral T cells activated with PHA and IL-2,
corresponding to a specific activity of 12500 - 50000
IU/mg.

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]