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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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Recombinant Mouse Interleukin-4 (IL-4)

CLY200-18-5UG
CLY200-18-20UG
CLY200-18-100UG
CLY200-18-500UG
CLY200-18-1MG

Description: Mouse Interleukin-4, also known as BCDF or BCGF, is a pleiotropic immunoregulatory cytokine. IL-4 activity is mediated through the IL-4R receptor. Recombinant IL-4 is produced in *E.coli* as a single, non-glycosylated polypeptide chain containing 121 amino acids and having a molecular mass of 13.7 kDa.

Presentation: 5 µg (CLY200-18-5UG), 20 µg (CLY200-18-20UG), 100 µg (CLY200-18-100UG), 500 µg (CLY200-18-500UG) or 1 mg (CLY200-18-1MG), sterile filtered white lyophilized (freeze-dried) powder. Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).

Source: *E.coli*

Reconstitution: It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

Stability: Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Purity:

Greater than 95% as determined by:
Analysis by RP-HPLC.
Reducing and non-reducing SDS-PAGE.

Endotoxin Level: Endotoxin level as measured by LAL is <0.01 ng/µg or <0.1 EU/µg.

Protein Content determined by:

UV spectroscopy at 280 nm.
Analysis by RP-HPLC calibrated against a known standard.
Quantitation on SDS-PAGE against a known standard.

Biological Activity: Recombinant mouse IL-4 is fully biologically active when compared to standards. The ED₅₀, as determined by dose-dependent induction of HT-2 cell proliferation, is 2.5 ng/ml.

AA Sequence: MHIHGCDKNH LREIIGILNE VTGEGTPCTE MDVPNVLAT KNTTESELVC RASKVLRIFY LKHGKTPCLK KNSSVLMELQ RLFRAFRCLD SSISCTMNES KSTSLKDFLE SLKSIMQMDY S

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MW 04/25/22

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4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: **Toll Free: 1-800-721-1644**

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com