



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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 ED<sub>50</sub>, 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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