



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### IL10 (Human) Recombinant Protein

**Catalog Number:** P8314

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

**Product Description:** Human IL10 (P22301, 19 a.a. - 178 a.a.) partial recombinant protein expressed in *Escherichia coli*.

**Sequence:**

SPGQGTQSENSCTHFPGNLNPMLRDLRDAFSRVKTF  
FQMKDQLDNLKESLLEDFKGYLGQCQALSEMIQFYLE  
EVMPPQAENQDPDIKAHVNSLGENLKLRLRRLRRCHRF  
LPCENKSKAVEQVKNAFNKLQEKGIYKAMSEFDIFINYI  
EAYMTMKIRN

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 18.6

**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:** > 97% by SDS-PAGE

**Activity:** The ED<sub>50</sub> is < 2.0 ng/mL was determined by the dose-dependent co-stimulation (with murine IL-4) of MC/9 cells, corresponding to a specific activity of 5.0 x 10<sup>5</sup> 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 > 100 ug/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:** 3586

**Gene Symbol:** IL10

**Gene Alias:** CSIF, IL-10, IL10A, MGC126450, MGC126451, TGIF

**Gene Summary:** The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. [provided by RefSeq]