



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### IL13 (Human) Recombinant Protein

**Catalog Number:** P8337

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

**Product Description:** Human IL13 (P35225, 35 a.a. - 146 a.a.) partial recombinant protein with a substitution of Q for R at position 112 expressed in *Escherichia coli*.

**Sequence:**

SPGPVPPSTALRELIEELVNITQNQKAPLCNGSMVWSI  
NLTAGMYCAALESLINVSVCSAIEKTQRMLSGFCPHKV  
SAGQFSSLHVRDTKIEVAQFVKDLLLHLLKLFREGQFN

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 12.5

**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:** > 95% by SDS-PAGE

**Activity:** The ED<sub>50</sub> is < 1 ng/mL as determined by the dose dependent proliferation of TF-1 cells, corresponding to a specific activity of > 1.0 x 10<sup>6</sup> units/mg. This analog has also been shown to exhibit increased in vivo activity compared to wild type IL-13.

**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:** 3596

**Gene Symbol:** IL13

**Gene Alias:** ALRH, BHR1, IL-13, MGC116786, MGC116788, MGC116789, P600

**Gene Summary:** This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4. [provided by RefSeq]