



# 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

### IL9 (Human) Recombinant Protein

**Catalog Number:** P8309

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

**Product Description:** Human IL9 (P15248, 18 a.a. - 144 a.a.) partial recombinant protein expressed in *Escherichia coli*.

**Sequence:**

MQGCPTLAGILDINFLINKMQEDPASKCHCSANVTSC  
CLGIPSDNCTRPCFSERLSQMTNTTMQTRYPLIFSRVK  
KSVEVLKNNKCPYFSCEQPCNQTTAGNALTFKLSLEI  
FQKEKMRGMRGKI

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 14

**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 < 0.2 ng/mL was determined by the dose-dependent stimulation of human MO7e cells, corresponding to a specific activity of 5.0 x 10<sup>6</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:** 3578

**Gene Symbol:** IL9

**Gene Alias:** HP40, IL-9, P40

**Gene Summary:** The protein encoded by this gene is a cytokine that acts as a regulator of a variety of hematopoietic cells. This cytokine stimulates cell proliferation and prevents apoptosis. It functions through the interleukin 9 receptor (IL9R), which activates different signal transducer and activator (STAT) proteins and thus connects this cytokine to various biological processes. The gene encoding this cytokine has been identified as a candidate gene for asthma. Genetic studies on a mouse model of asthma demonstrated that this cytokine is a determining factor in the pathogenesis of bronchial hyperresponsiveness. [provided by RefSeq]