



# 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

### IL15 (Human) Recombinant Protein

**Catalog Number:** P8347

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

**Product Description:** Human IL15 (P40933, 49 a.a. - 162 a.a.) partial recombinant protein with His tag at C-terminus expressed in *Escherichia coli*.

**Sequence:**

MNWWNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVT  
AMKCFLELQVISLESQDASIHDTVENLILANNSLSSNG  
NVTESGCKECEEELEEKNIKEFLQSFVHIVQMFINTSLEH  
HHHHH

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 13.9

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Preparation Method:** *Escherichia coli* expression system

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

**Activity:** ED<sub>50</sub> is < 2.5 ng/mL, measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells, cells corresponding to a specific activity of > 4 x 10<sup>5</sup> units/mg.

**Recommend Usage:** Biological Activity

SDS-PAGE

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In 20mM Tris-HCl buffer pH 8.0 (0.2mM PMSF, 10% glycerol)

**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:** 3600

**Gene Symbol:** IL15

**Gene Alias:** IL-15, MGC9721

**Gene Summary:** The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukin 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Two alternatively spliced transcript variants of this gene encoding the same protein have been reported. [provided by RefSeq]