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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

IL7 (Human) Recombinant Protein

Catalog Number: P8301

Regulation Status: For research use only (RUO)

Product Description: Human IL7 (P13232, 26 a.a. - 177 a.a.) partial recombinant protein expressed in *Escherichia coli*.

Sequence:

DCDIEGKDGKQYESVLMVSIDQLDSMKEIGSNCLNNE
FNFFKRHICDANKEGMFLFRAARKLRQFLKMNSTGDF
DLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSL
EENKSLKEQKKLNDLCFLKRLLEIKTCWNKILMGTK
E
H

Host: *Escherichia coli*

Theoretical MW (kDa): 17.4

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 ED₅₀ is < 0.5 ng/mL as determined by the
dose-dependant stimulation of murine 2E8 cells,
corresponding to a specific activity of 2.0 x 10⁶ IU/mg.

Recommend Usage: Biological Activity

SDS-PAGE

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

Storage Buffer: In PBS pH 7.4

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: 3574

Gene Symbol: IL7

Gene Alias: IL-7

Gene Summary: The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. This cytokine is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. Knockout studies in mice suggested that this cytokine plays an essential role in lymphoid cell survival. [provided by RefSeq]