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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

IL7 (Human) Recombinant Protein

Catalog Number: P8302

Regulation Status: For research use only (RUO)

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

Sequence:

DCDIEGKDGKQYESVLMVSIQQLDSMKEIGSNCLNNE
FNFFKRHICDANKEGMFLFRAARKLRQFLKMNSTGDF
DLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSL
EENKSLKEQKKLNDLCFLKRLLEIKTCWNKILMGTK
E
H

Host: Yeast

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: *Saccharomyces cerevisiae* expression system

Purity: > 98% by SDS-PAGE

Activity: The ED₅₀ is < 0.5 ng/mL as determined by the dose-dependant stimulation of thymidine uptake by murine pre-B cell line 2E8, corresponding to a specific activity of 2.0 x 10⁶ units/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: 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]