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Produktinformation



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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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
AMKCFLLLELQVISLESGDASIHDTVENLILANNSLSSNG
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: ED₅₀ 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 10⁵
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 interleukine 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]