

Human IL-11, His Tag, E. coli

Catalog Number	LDG013PHE
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Expression System

Escherichia coli

Affinity Tag

His Tag (N-term)

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 19.95 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce T11 cells proliferation. The ED₅₀ for this effect is <0.2 ng/mL. The specific activity of recombinant human IL-11 is approximately >1 x10⁷ IU/ mg.

Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

Form

Lyophilized

Background

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Background

Interleukin 11 (IL-11) is a cytokine, encoded by the gp130 family genes. IL-11 initially thought to be important for hematopoiesis, notably for megakaryocyte maturation, and it facilitate the formation of higher order structures involving dimers of gp130: IL-11:IL-11 RA complexes.

Uniprot ID

#P20809

Synonyms

Adipogenesis inhibitory factor, AGIF, Interleukin-11

Sequence Note

Pro22-Leu199

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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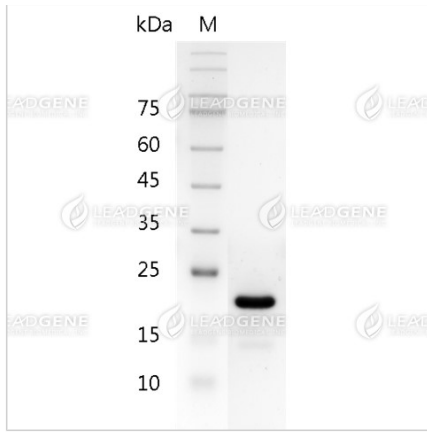
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SDS-PAGE analysis of recombinant human IL-11.

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