

Human IL-30, His Tag, E. coli

Catalog Number	LDG034PHE
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

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Endotoxin Level

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

Expression System

Escherichia coli

Storage Buffer

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

Molecular weight

The protein has a calculated MW of 25.47 kDa. The protein migrates as 28 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

Interleukin 30 (IL-30) is a 27 kDa cytokine with 216 amino acid residues. IL-30, also known as IL-27A, forms a complex named IL-27 with Ebi3 and is secreted from cells of myeloid origin, such as monocytes, macrophages, and dendritic cells. IL-30 /Ebi3 complex mediates T-cell immunity, promoting Th1 differentiation, inhibiting Th2 differentiation, and inhibiting Th17 differentiation. IL-30 also can be secreted independently of Ebi3 and modulate bacteria-induced oxidative burst and cytokine production.

Uniprot ID

#Q8NEV9

Synonyms

IL-27 subunit alpha, IL-27-A, Interleukin-30, p28

Sequence Note

Phe 29-Pro 243

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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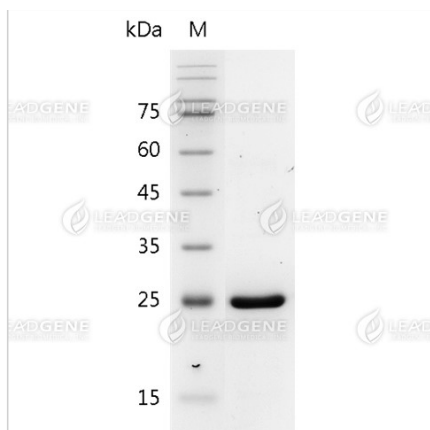
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SDS-PAGE analysis of recombinant human IL-30.

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