Human IL-22, His Tag, E. coli

Catalog Number	LDG026PHE
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 (C-term)

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 17.83 kDa. The protein migrates as 14 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce proliferation in A549 cells. The ED_{50} for this effect is <0.5 ng/mL.

Endotoxin level

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

Form

Lyophilized

Background

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Background

Interleukin 22(IL-22) is an α-helical cytokine, predicts a molecular mass of 16.9 kDa. It is produced by T-helper (Th)-17 cells, γδ T cells, NKT cells and newly described innate lymphoid cells (ILCs). Effects involve stimulation of cell survival, proliferation and synthesis of antimicrobials including S120, Reg3β, Reg3γ and defensins.

Synonyms

Cytokine Zcyto18, IL-10-related T-cell-derived-inducible factor, IL-TIF, Interleukin-22

Uniprot ID

#Q9GZX6

Sequence Note

Ala34-Ile179

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

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

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.

Image

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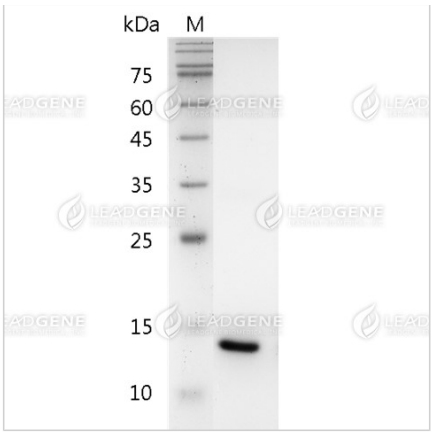

SDS-PAGE analysis of recombinant human IL-22.

Disclaimer : For Research Use or Further Manufacturing Only.

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