Human IFN Omega, His Tag, E. coli

Catalog Number	LDG098PHE
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 7.4.

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 20.93 kDa.
The protein migrates as 15-20 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to induce cytotoxicity in TF-1 cells. The ED_{50} for this effect is <0.02 ng/mL. The specific activity of recombinant human IFN omega is approximately >5 $x10^7$ 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

Interferon Omega (IFN-ω) is a 20.12 kDa member of type I IFN family with 173 amino acid residues. IL-28B is expressed by epithelial tissues. IFN-ω with antiviral, antitumor activity and regulating the innate immune response. Able to activate P13K/Akt signaling pathway via binding its receptor IFNAR in cells.

Synonyms

Interferon alpha-II-1, Interferon omega-1

Uniprot ID

#P05000

Sequence Note

Cys24-Ser195

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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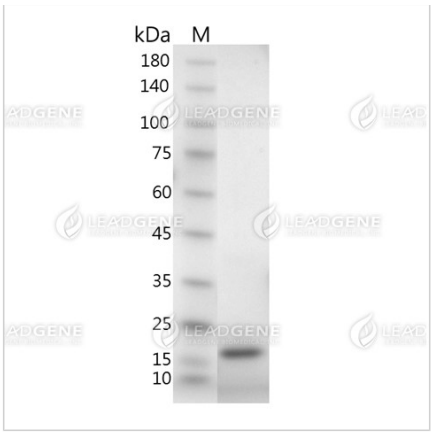

SDS-PAGE analysis of recombinant human IFN omega.

Disclaimer : For Research Use or Further Manufacturing Only.

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