Mouse IFN Alpha 1a, His Tag, E. coli

Catalog Number	LDG064PME
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin

Mouse

Expression System

Escherichia coli

Affinity Tag

His Tag (N-term)

Storage Buffer

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 19.93 kDa.
The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to protect L929 cells infected with encephalomyocarditis (EMC) virus. The ED_{50} for this effect is <10 pg/mL. The specific activity of recombinant mouse IFN alpha 1a is > 4 x 10^7 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 Alpha 1a (IFN alpha 1a) is a leukocyte interferon,
which is a variant of Interferon-alpha. IFN-alpha 1a is a 18.4 kDa protein containing 166 amino acid residues. It could bind the interferon receptors that activates the signal transduction of immune responses through the Jak/STAT pathway in leukocytes and lymphoblastoid cells.

Synonyms

Interferon alpha-1, IFN-alpha-1

Uniprot ID

#P01572

Sequence Note

Cys24-Lys189

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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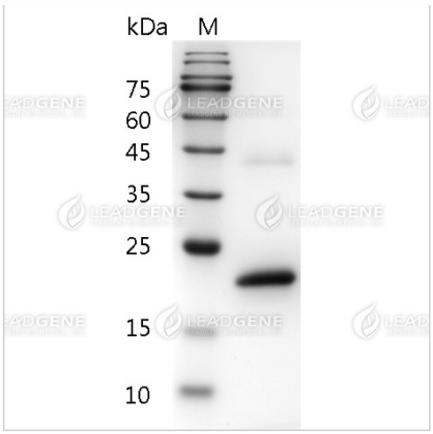

SDS-PAGE analysis of recombinant mouse IFN Alpha 1a.

Disclaimer : For Research Use or Further Manufacturing Only.

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