

## Mouse IFN Beta 1a, His Tag, E. coli

Catalog Number	LDG065PME
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

#### Affinity Tag

His Tag (C-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to protect HeLa cells infected with encephalomyocarditis (EMC) virus. The ED<sub>50</sub> for this effect is <5 pg/mL. The specific activity of recombinant mouse IFN beta 1a is > 1 x 10<sup>9</sup> IU/mg.

#### Form

Lyophilized

#### Expression System

Escherichia coli

#### Storage Buffer

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

#### Molecular weight

The protein has a calculated MW of 20.68 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin Level

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

### Background

#### Tainan Headquarters

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### Background

Interferon Beta 1a (IFN beta 1a) is a leukocyte interferon, which is a variant of Interferon beta. IFN beta 1a is a 17.87 kDa protein containing 161 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.

### Uniprot ID

#P01575

### Synonyms

Interferon beta, IFN-beta

### Sequence Note

Ile22-Asn182

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O 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

### Tainan Headquarters

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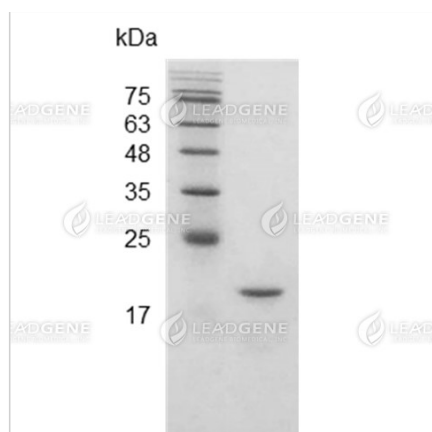
✉ [bd@leadgene.com.tw](mailto:bd@leadgene.com.tw)

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

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