

# Mouse IFN Gamma, His Tag, E. coli

Catalog Number LDG066PME

Package 5 μg / 20 μg / 100 μg / Customized package

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# **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 anti-viral assay in L-929 cells infected with encephalomyocarditis (EMC) virus. The ED $_{50}$  for this effect is <0.5 ng/mL. The specific activity of recombinant mouse IFN gamma is approximately >2 x  $_{10^6}$  IU/mg.

**Form** 

Lyophilized

**Expression System** 

Escherichia coli

**Storage Buffer** 

Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 16.5 kDa. The protein migrates as 13-17 kDa under reducing condition (SDS-PAGE analysis).

**Endotoxin Level** 

<0.01 EU per 1 µg of the protein by the LAL method.

## **Background**



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The cytokine IFN gamma could protect cells from viral infections and belongs to the family of interferons. A lot of studies have shown that IFN gamma secreted by antigen triggered cell types, including T cells, naive CD4+ T cells, macrophages, dendritic cells, and B cells. IFN gamma plays an important role to trigger the macrophage act against a diverse group of microbial targets, and the pleiotropic molecule associated with antiproliferative, pro-apoptotic and antitumor mechanisms. Based on the effector cytokine considered as a major effector of immunity, it has been used in the treatment of several diseases.

**Synonyms** 

Interferon gamma

**Uniprot ID** 

#P01580

**Sequence Note** 

His23-Cys155

## 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.

# 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.

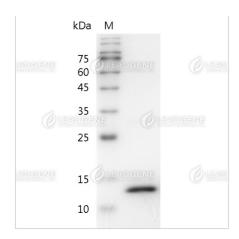
**Image** 

**Tainan Headquarters** 

**Innovation & Research Center** 

**CLD Center** 





SDS-PAGE analysis of recombinant mouse IFN gamma.

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